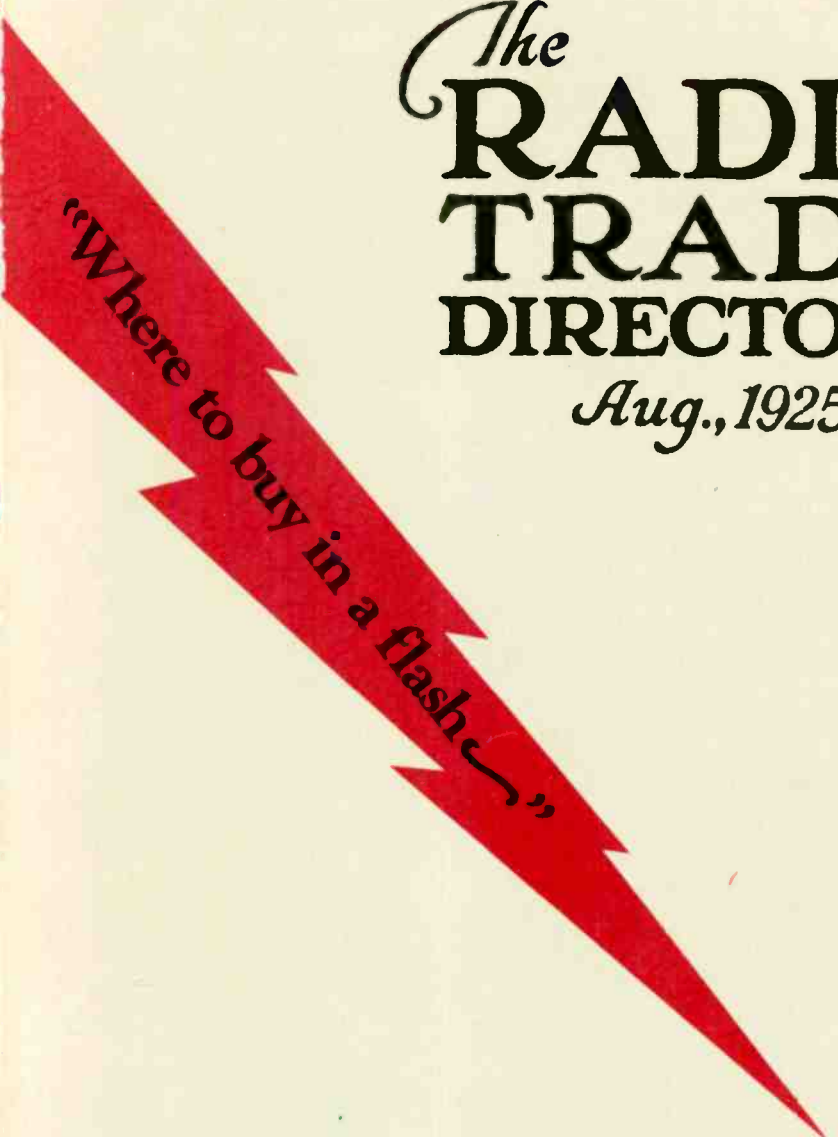


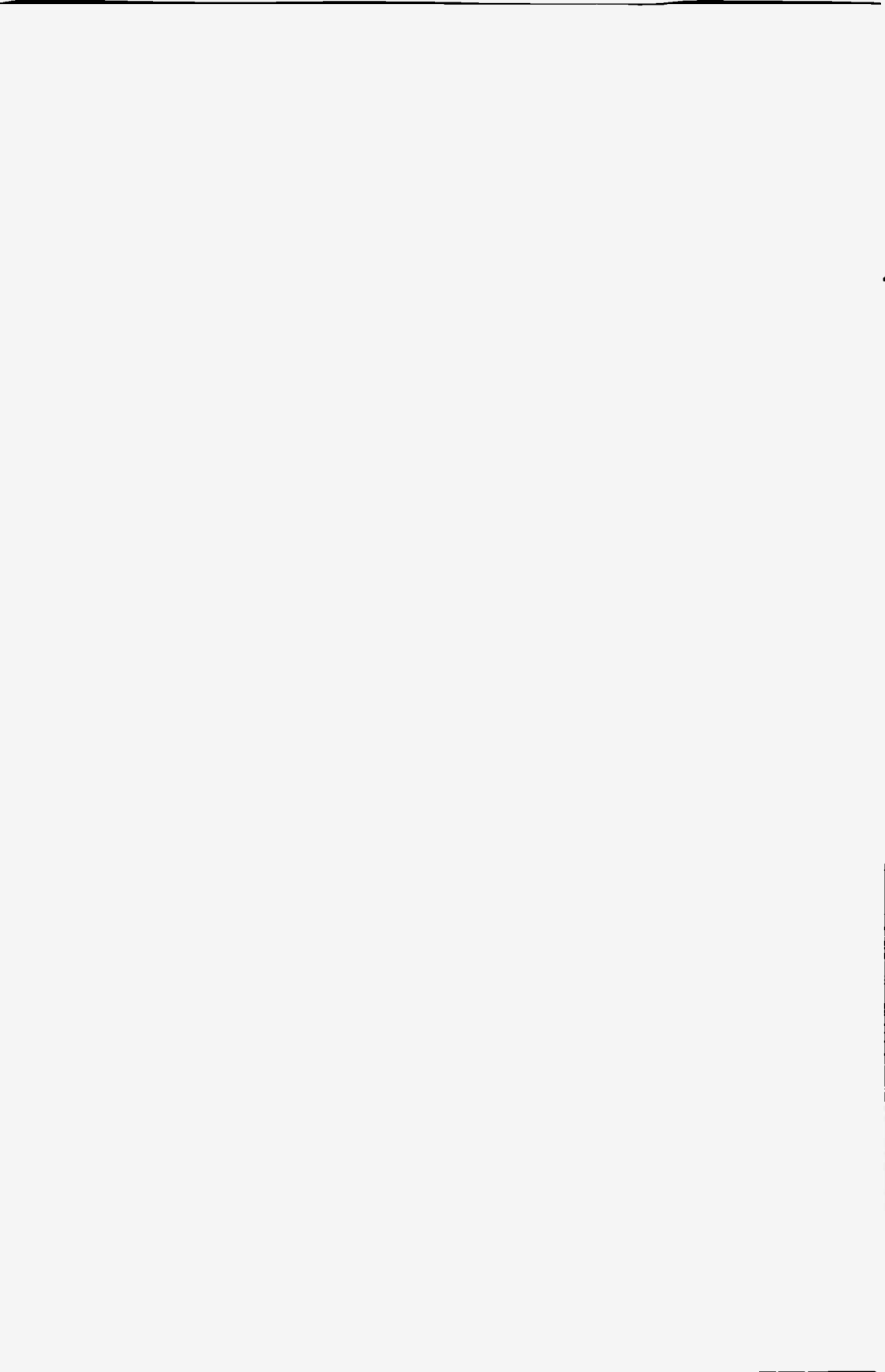
The
**RADIO
TRADE
DIRECTORY**

Aug., 1925

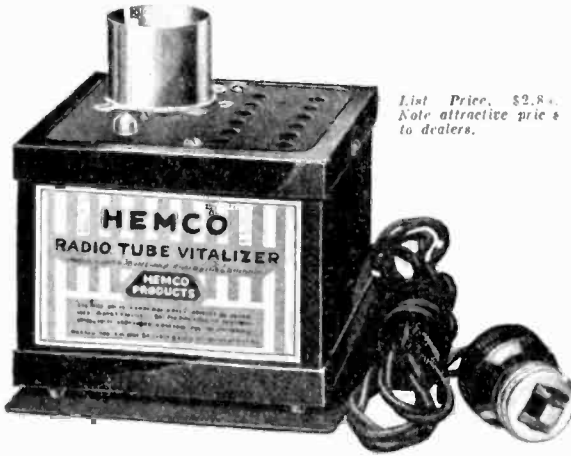


"Where to buy in a flash"

A Classified Trade Directory of the Radio and Allied Industries containing the names and addresses of the American manufacturers of everything used in construction, maintenance and operation of Radio Apparatus both Transmitting and Receiving.



HEMCO RADIO PARTS



List Price, \$2.80.
Note attractive price to dealers.

*A Rejuvenator for
the Price of One
Good Tube!*

THIS new Hemco Vitalizer is a record breaker for quick profit. Acting on the re-thoriated principle it rejuvenates the tube filament of any tube, old or new to maximum operating efficiency.

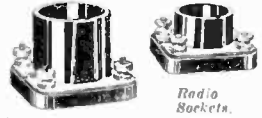
Hemco Vitalizers are made for both UV199 and 201A tubes, operate on 110 volts A. C. or D. C., and sell for practically the cost of one new tube! Beat competition with an early trial order—write today.

Prices to Dealers

	List Price	Less than 5	5 or More
No. 1990 Hemco Vitalizer for UV199 tubes	\$2.85	\$1.91	\$1.79
No 2010 Hemco Vitalizer for UV201A tubes	2.85	1.91	1.79

Note long margin on orders for quantity of five or more. Types may be assorted to obtain this best price.

Sockets— Dials—Loops

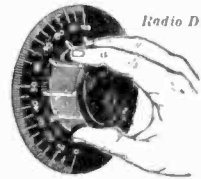


Radio Sockets.

HEMCO Radio Sockets—Light in weight. Made of Bakelite, with snug slide and bottom contact.

Prices to Dealers

	Less Than 10	10 or More
No. 4201-201A for UV200, UV201A, C300, C301A, and WD12 tubes	\$.45	\$.36 \$.29 \$.27
No. 4199—199 for UV199 and C299 tubes	.40	.32 .26 .24



Radio Dials.

HEMCO Radio Dials—The last word in dial design. Moulded in one piece of Bakelite—guaranteed not to warp or break easily. Fits the hand perfectly. No body capacity. Attractive display controllers.

Prices to Dealers

	Less Than 10	10 or More
No. 402—Size 2½ in.	\$.25	\$.20 \$.16 \$.15
No. 403—Size 3 in.	.30	.24 .19 .18
No. 404—Size 4 in.	.40	.32 .26 .24



Loop Aerial.



Coiled.

HEMCO Loop Aerials—Patented "Spring arm" keeps the wires taut for better reception. Made strong and durable and collapses into a small size. Low list price assures quick turnover.

Prices to Dealers

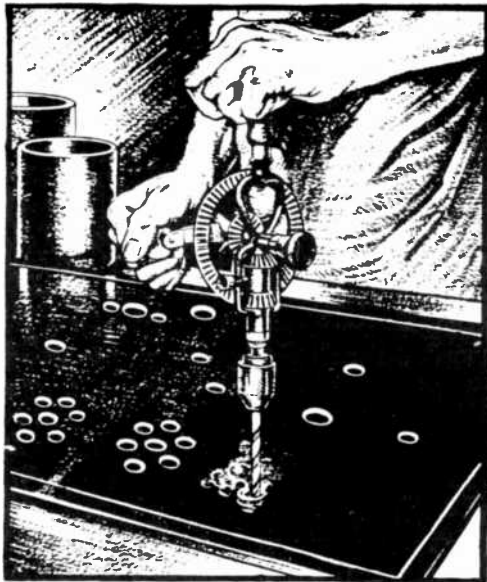
	Less Than 10	10 or More
No. 410—Size 18 in.	\$5.00	\$3.25 \$3.00
No. 411—Size 24 in.	7.50	4.87 4.50

HEMCO PRODUCTS

GEORGE RICHARDS & COMPANY INC.
557-WEST MONROE STREET-CHICAGO, ILLINOIS.

New York Office: George Richards & Co., Nelson Ave. & Van Dam St., Long Island City, N. Y.

Phenolite does not expand with heat, does not shrink with cold, does not "cold flow" under pressure, does not deteriorate with age!



— sell dependable quality!

Phenolite panels are made in four colors—a rich lustrous black, a dull mat black, grained mahogany and walnut. The most popular stock sizes range from 7" x 10" to 7" x 30" in area and in thicknesses of $\frac{1}{4}$ " and $\frac{3}{8}$ ".

Phenolite tubing is made in lengths as required and in diameters from $\frac{1}{4}$ " to 8" (inside measurements). Larger diameters on request.

Phenolite can be depended upon at all times and under all conditions to react in precisely the same manner to the same forces. Phenolite is the perfection of radio insulation—uniform in hardness, toughness, dielectric resistance and machining quality . . . Whether you are buying panels or completed sets, Phenolite is the standard of unvarying quality! Your jobber will supply you—or write us.

National Vulcanized Fibre Co.

Phenolite Products Division, Wilmington, Del., U.S.A.

We operate six great plants and maintain sales and service offices at New York, Chicago, Boston, Philadelphia, Pittsburgh, Cleveland, Milwaukee, Los Angeles, San Francisco, Detroit, Rochester, Birmingham, Denver, Seattle, Toronto, Greenville, St. Louis, Baltimore.

PHENOLITE

Reg. U.S. Pat. Off.

Laminated BAKELITE

SHEETS : RODS : TUBES : SPECIAL SHAPES

THE RADIO TRADE DIRECTORY

Volume 1

AUGUST, 1925

Number 4

*A Classified Directory of the
Radio and Allied
Industries*

This reproduction copy is from a book compiled by a well known publishing company here in the United States, copyrighted during 1924-1925.

THE RADIO TRADE DIRECTORY

The purpose of this Directory is to give the buyer the names and addresses of those who make what he wants.

All subjects are listed under the noun or principal word (for example Multiple Phone Plugs are listed under "P"—Plugs, Multiple Phone—not under "M").

The listings are compiled absolutely irrespective of any advertising patronage.

The names and addresses of all known manufacturers are given alphabetically under each heading with the trade names of their products, if any.

Advertisers names appear in black faced type in their proper alphabetical position followed by the page number of their advertisement.

**CLASSIFIED
DIRECTORY
ARRANGED
ALPHABETICALLY**

A BATTERIES—
see *Batteries, A Dry*
also *Batteries, A Storage*

**A BATTERY
CHARGERS—**
see *Rectifiers, Bulb*
also *Rectifiers, Electrolytic*
also *Rectifiers, Motor Gen-
erator*
also *Rectifiers, Vibrator*

**A BATTERY
POTENTIOMETERS—**
see *Potentiometers, Battery*

ABRASIVE PAPER—
see *Paper, Emery & Sand*

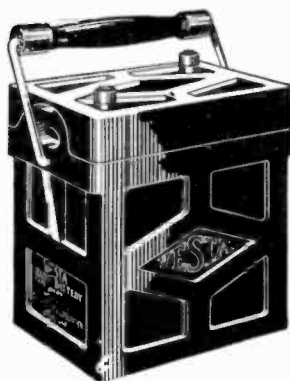
ACID, Battery—
see *Electrolyte, Storage
Battery*

ACID, Sulphuric—
see *Electrolyte, Storage
Battery*

ADAPTERS, Antenna—
see *Plugs, Antenna*

**ADAPTERS,
Direct Socket**

- A-C Electrical Mfg. Co., Day-
ton, Ohio
- ✓ Alden Mfg. Co., Dept. D-4,
Springfield, Mass. "Nu-ald"
Cataloged on page 137.
- Clearstone Radio Electrical
Supply Co., 70 Audubon
Ave., Providence, R. I.
- Daniel Specialty Co., 5232
Melrose Ave., Los Angeles
Cal.
- Frost, Herbert H., 314 W.
Superior St., Chicago, Ill.
- Gillilan Bros., 1815 W. 16th
St., Los Angeles, Cal.
- Hoosick Falls Radio Parts
Mfg. Co., Hoosick Falls,
N. Y.
- King Quality Products, Inc.,
Rano St., Buffalo, N. Y.
- Mar-Co — see Martin-Cope-
land Co.



VESTA

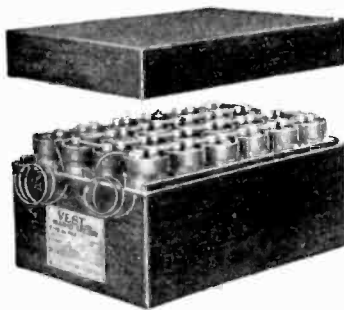
A & B RADIO STORAGE BATTERIES

For over a quarter of a century Vesta has been building high-grade portable storage batteries.

The qualities that have earned them a reputation are found in Vesta Radio A and B storage batteries.

A wide variety of sizes in both the A and B batteries is made. Send for catalog.

VESTA BATTERY CORPORATION
2100 Indiana Ave.
CHICAGO



ADAPTERS, Direct Socket Continued

- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Morse Co., Frank W., 289 Congress St., Boston, Mass. Na-ald—see Alden Mfg. Co.,
- ✓Pacnet Electric Co., 91 Seventh Ave., New York, N. Y. See advertisement, pages 97 and 157.
- Renlier Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

ADAPTERS, Mounting

For changing instruments made for three hole mounting to one hole mounting

- Ambassador Sales Co., 108 Greenwich St., New York, N. Y.
- Atec Products Co., 534 W. Elm St., Chicago, Ill.

ADAPTERS, Phonograph

Special Tone Arms, Tone Arm Clamps, Sleeves, etc., to permit use of Phonograph as a Loud Speaker by attaching Head Phones or Loud Speaker Units

- Ajax—see Philmore Mfg. Co.
- Atlas-Colonial Corp., East Ave. & Tenth St., Long Island City, N. Y.
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Audak Co., 565 Fifth Ave., New York, N. Y. "Selectron"
- Bee-Zee Products Co., 511 Chapel St., New Haven, Conn.
- Berwick—see Triangle Electrical Trading Co.
- Best Mfg. Co., 75 Hudson St., Newark, N. J.
- Blood Tone Arm Co., Bay City, Mich. "Speakerola"
- Brandes Products Corp., 233 Broadway, New York, N. Y.
- Bronzo Alumina Corp., 212 Winchester Ave., Buffalo, N. Y.
- Bunnell & Co., J. H., 32 Park Pl., New York, N. Y.
- Central Radio Co., 25 W. 42d St., New York, N. Y. "Radiograph"
- C I C—see Connecticut Instrument Co.
- Columbia Phonograph Co., 1819 Broadway, New York, N. Y.
- Connecticut Instrument Co., 219 South St., Stamford, Conn. "C I C"
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- Del Marmol Radio-Phonograph Co., 3522 Frankford Ave., Philadelphia, Pa.
- Dulce-Tone—see Teagle Co.
- Duplex—see McMasters, W. B.

- Ekko Co., Harris Trust Bldg., Chicago, Ill.
- Electrical Industries Mfg. Co., 326 W. 41st St., New York, N. Y. "Ultra"
- Empire Phono-Parts Co., 2261 E. 14th St., Cleveland, Ohio
- Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Stramcy"
- Eureka Radio & Phono Parts Corp., 145 W. 45th St., New York, N. Y.
- Fleron & Son, M. M., 110 N. Broad St., Trenton, N. J.
- Giant—see Trimm Radio Mfg. Co.
- Herald Electric Co., 29 East End Ave., New York, N. Y.
- ✓Holtzer-Cabot Electric Co., 125 Amory St., Boston, Mass. See advertisement, page 141.
- Jerco—see Rudell Co.
- ✓Jewett Radio & Phonograph Co., 5686 Telegraph Rd., Pontiac, Mich. Cataloged on pages 25, 55, 125, 133 A, 143 and 175.
- Jolley Radio Co., 297 Sixth Ave., New York, N. Y.
- Little Wonder—see Trimm Radio Mfg. Co.
- McMasters, W. B., Wheeling, W. Va. "Duplex"
- Magnavox Co., 2725 E. 14th St., Oakland, Cal. "Tel-amegaphone"
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"
- Manufacturers Phonograph Co., 95 Madison Ave., New York, N. Y. "Strand Timmons"
- May Rubber Co., 826 Arch St., Philadelphia, Pa.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- Oro-Tone Co., 1000 George St., Chicago, Ill. "Sea Horn"
- Peerless—see United Radio Corp.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Radio-Fone-O-Graf Co., 27 S. Broad St., Elizabeth, N. J.
- Radio Industries Corp., 131 Duane St., New York, N. Y. "Rico Phon-Adapters"
- Radiograph—see Central Radio Co.
- Radiotive Corp., 5317 21st Ave., Brooklyn, N. Y.
- Red Seal—see Manhattan Electrical Supply Co.
- Remo Corp., Meriden, Conn.
- Rex Radio Works, 1820 Montrose Ave., Chicago, Ill.
- ✓Rhamstine, J. Thos., 508 E. Woodbridge, Detroit, Mich. See advertisement, page 103.
- Rico Phon-A-Adapters—see Radio Industries Corp.
- Rola Co., 4250 Hollis St., Oakland, Cal.
- Royal Electrical Laboratories, 109 Tichenor St., Newark, N. J. "Royalfone"
- Royalfone—see Royal Electrical Laboratories.
- Rudell Co., Joseph E., 144 Chambers St., New York, N. Y. "Jerco"
- Sea Horn—see Oro-Tone Co.
- Selectron—see Audak Co.
- Speakerola—see Blood Tone Arm Co.
- Splitdorf—Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Steinite Laboratories, Radio Bldg., Atchison, Kans.
- Stramcy—see Essex Mfg. Co.
- Strand-Timmons—see Manufacturers Phonograph Co.
- Stuckeman Bros., 204 Warrington Ave., Pittsburgh, Pa.
- Teagle Co., 1125 Oregon Ave., Cleveland, Ohio "Dulce-Tone"
- Telemagaphone—see Magnavox Co.
- ✓Telradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- Timmons Radio Products Corp., 339 E. Tulpehocken St., (Germantown), Philadelphia, Pa.
- Tower Mfg. Corp., 98 Brookline Ave., Boston, Mass.
- Triangle Electro Trading Co., 632 Broadway, New York, N. Y. "Berwick"
- Triangle Phono Parts Co., 722 Atlantic Ave., Brooklyn, N. Y.
- Trimm Radio Mfg. Co., 24 S. Clinton St., Chicago, Ill. "Giant," "Little Wonder"
- Ultra—see Electrical Industries Mfg. Co.
- United Radio Corp., 115 Caledonia St., Rochester, N. Y. "Peerless"
- Utah Radio Products Co., 1427 Michigan Ave., Chicago, Ill.
- Waterbury Button Co., Waterbury, Conn.
- Western Electric Co., 100 E. 42d St., New York, N. Y.
- Westphal Mfg. Laboratory, 80 Jackson Blvd., Chicago, Ill.

ADAPTERS, Resistance Socket

- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.

ADJUSTABLE CONDENSERS—

see Condensers, Adjustable

ADJUSTABLE GRID-LEAKS—

see Grid-Leaks, Variable

**ADJUSTABLE
GROUND CLAMPS—**
see Clamps, Ground

ADJUSTERS, Dial—
see Attachments, Vernier

AERIAL FITTINGS—
see Fittings, Iron Antenna
Pole

**AERIAL
INSULATORS—**
see Insulators, Composition
also Insulators, Glass
also Insulators, Porcelain

AERIAL MASTS—
see Poles, Steel
also Towers, Steel

AERIAL POLES—
see Poles, Steel

**AERIAL
PROTECTORS—**
see Arresters, Lightning
Indoor
also Arresters, Lightning
Outdoor

AERIAL SETS—
see Aerials, Indoor
also Wire

AERIAL TOWERS—
see Towers, Steel

AERIAL WIRE—
see Wire, Braided Copper
also Wire, Copper Clad
Steel
also Wire, Enameled Cop-
per
also Wire, Flat or Strip
also Wire, Magnet
also Wire, Single Strand
Copper
also Wire, Stranded Copper

AERIALS, Indoor
*For Loop Aerials—see
Aerials, Loop*
Aeolus Corp., 161 Grand St.,
New York, N. Y.

Ajax—see Philmore Mfg. Co.
Antennaphone Co., 90 West
St., New York, N. Y.
Berlin & Trosky, 57 W.
Houston St., New York,
N. Y. "D. X."
Berstan Radio Products Co.,
Springfield, Mass. "Fone-
Tenna"

✓Crescent Braid Co., Providence,
R. I. "Lektro." See
advertisement, pages 28
and 46.

D. X.—see Berlin & Trosky.
Effarsee—see Fishwick Radio
Co.

Electrad, Inc., 428 Broadway,
New York, N. Y. "Indor-
arial"

Esby Co., 45 Arch St., Bos-
ton, Mass. "Esby-A-Tena"
Esby-A-Tena—see Esby Co.
Fisher Spring Co., Chas., 240
Kent Ave., Brooklyn, N. Y.
Fishwick Radio Co., Edwards
Bldg., Cincinnati, Ohio
"Effarsee"

Fone Tenna—see Berstan
Radio Products.
Hope Webbing Co., Provi-
dence, R. I.



**Mack Spring
Aerial**

will not corrode, tarnish or break.
For outdoor or indoor use. Has
proven its worth as a better aerial
and a fast mower.

Mackcontrol

The only tube protecting device
that will not effect reception or
the life of the batteries. Gives
signal of short circuit. Mechanical
display stand and consignment
trial order to reliable dealers.

MACK COMPANY
1940 W. Delancey St., Phila., Pa.



Weather-coated. List \$1.25.



In a vacuum. List \$1.75.

LIST PRICE
\$8.50



**Duo-Spiral
Folding Loop**

Patents
Pending

RADIO UNITS INC.
1316 First Ave., Maywood, Ill.

Handsomely finished in silver
and mahogany. Neat and
compact. Folds readily and
can be used anywhere. The
Duo-Spiral winding is an ex-
clusive feature.

A special model for every
circuit. Each loop is packed
in an attractive individual
box.

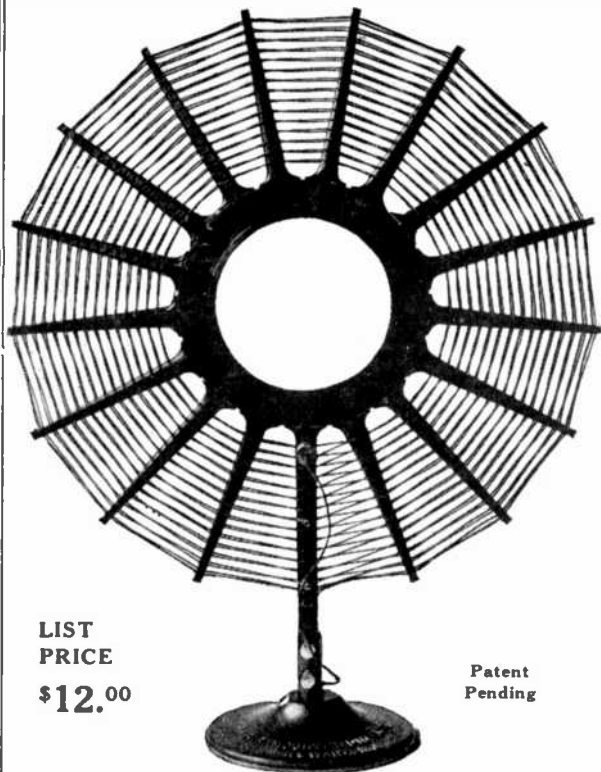
Hy-Sil Mfg. Co., 200 Fifth
Ave., New York, N. Y.
Indorarial—see Electrad, Inc.
Inter-State Signal Co., Col-
umbus, Ohio
Lees Textile Co., 207 Walker
St., Lowell, Mass. "Pure-
tone"
Lektro—see Crescent Braid
Co.
Lenz—see Permanco Mfg.
Corp.
✓Mack Co., 1940 W. Delancey
St., Philadelphia, Pa. See
advertisement, page 7.
Mattatuck Mfg. Co., E. Main
St., Waterbury, Conn.
Morris Register Co., Council
Bluffs, Iowa
Morse Co., Frank W., 289
Congress St., Boston, Mass.
Musselman, A. J., 549 Wash-
ington Blvd., Chicago, Ill.
Perfection Radio Mfg. Co.,
24th & Race Sts., Phila-
delphia, Pa.
✓Permanco Mfg. Corp., 1114
De Kalb Ave., Brooklyn,
N. Y. "Lenz" "Promo."
See advertisement, page 33.
Philmore Mfg. Co., 105
Chambers St., New York,
N. Y. "Ajax"
Promo—see Permanco Mfg.
Co.
Puretone—see Lees Textile
Co.
Raco—see Ross Wire Co.
Rapid Spring Co., Pittsburgh,
Pa.
Remo Corp., Meriden, Conn.
"Remofone"
Remofone—see Remo Corp.
Rodale Mfg. Co., 492 Broome
St., New York, N. Y.

✓Ross Wire Co., 69 Bath St.,
Providence, R. I. "Raco"
See advertisement, page
182.
✓Sheffield Trimming & Stamp-
ing Corp., 211 Centre St.,
New York, N. Y. "Stasco"
See advertisement, page 95.
Stafford Radio Co., 29 New-
berne St., Medford Hillside,
Mass.
Stasco—see Sheffield Trim-
ming & Stamping Corp.
Tel-Aerial, 80 Washington
St., New York, N. Y.
Valley Narrow Fabric Co.,
Pawtucket, R. I.
Whetzal, Walter M. H., 37
Plum St., Westerville, Ohio

AERIALS, Loop
*For other Indoor Aerials—
see Aerials, Indoor*
Aalco Radio Laboratories,
6336 Cottage Grove Ave.,
Chicago, Ill.
Acme Apparatus Co., 37
Osborn St., Cambridge,
Mass.
Ajax Electric Co., 18 Palmer
St., Cambridge, Mass.
Aladdin Mfg. Co., 18th &
Hackleys Sts., Muncie, Ind.
"Aladyne"
Aladyne—see Aladdin Mfg.
Co.
Ambu—see American Bureau
of Engineering.
American Bureau of En-
gineering, 2632 Prairie
Ave., Chicago, Ill. "Ambu"
Amoroso Mfg. Co., 14 Sears
St., Boston, Mass. "Nifty"
"Nifty, Jr."

A Marvelous New Invention!

THE
PARAMOUNT AERIALS



LIST
PRICE
\$12.00

Patent
Pending

SPIDER-WEB wound with silk over phosphor-bronze wire, mounted on a genuine Bakelite frame (lowest in dielectric losses) the PARAMOUNT LOOP gathers and sends direct to the receiver every electron of current, giving to a surprising extent:

Greater Volume!

Greater Clarity!

Greater Receivability!

Greater Directional Effect!

If not obtainable at your nearest Radio Shop, we will fill your order direct upon receipt of money order covering regular retail price —\$12.

*"A Loop Eventually—
Why not the Best?"*

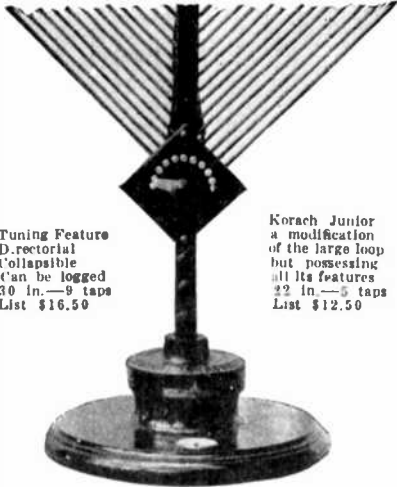
PARAMOUNT
RADIO CORPORATION

Sales Office, 1482 Broadway
New York

AERIALS, Loop
Continued

- Amplifex Radio Corp., 39 Massachusetts Ave., Arlington, Mass.
- Banker Windshield Co., 5722 Ellsworth Ave., Pittsburgh, Pa.
- Betts & Betts Corp., 645 W. 43d St., New York, N. Y. "Betts-Bonner"
- Betts-Bonner — see Betts & Betts Corp.
- Bodine Electric Co., 2256 W. Ohio St., Chicago, Ill.
- Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.
- Branston, Chas. A., 813 Main St., Buffalo, N. Y.
- ✓ Calvert Specialty Co., 141 N. 11th St., Philadelphia, Pa. See advertisement, page 92.
- ✓ Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- Celco—see Central Engineering Laboratories.
- ✓ Central Engineering Laboratories, 3345 N. Lincoln St., Chicago, Ill. "Celco" See advertisement, page 166.
- Cook Co., C. A., 18 Osborn St., Cambridge, Mass.
- Cunningham Singer Radiophone Co., 132 N. Larchmont Blvd., Los Angeles, Cal.
- Curtantenna—see Pathe Phonograph & Radio Corp.
- Dunham, D. F., 3941 Cumberland Ave., Los Angeles, Cal.
- Duo-Spiral—see Radio Units, Inc.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Erla—see Electrical Research Laboratories
- Federal Telegraph Co. (Merchandising Division) Woolworth Bldg., New York, N. Y. "Kolster"
- Fiat — see Radio Appliance Laboratory.
- Four Way Co., 29 Worthington St., Springfield, Mass.
- Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
- Guarantee Specialty Mfg. Co., 5100 Superior Ave., Cleveland, Ohio
- Haller, W. B., 2100 Sarah St., S. S., Pittsburgh, Pa. "Hallerio"
- Hallerio—see Haller, W. B.
- Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio
- Hemco—see Richards & Co.
- Hexloop—see Scribner Co.
- Kolster — see Federal Telegraph Co.
- ✓ Korach Radio Co., 20 E. Jackson Blvd., Chicago, Ill. See advertisement, page 9.
- La Salle, E. B., 61 S. Washington St., Batavia, Ill.
- Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.
- Lo-Los — see Wright Radio Co.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"
- Marion Electrical Mfg. Co., 24 Cliff St., Jersey City, N. J.

The Korach Loop



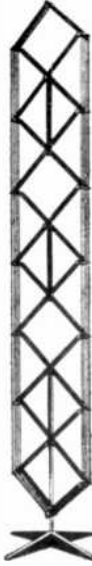
Tuning Feature
D.ectorial
Collapsible
(can be logged
30 in.—9 taps
List \$16.50

Korach Junior
a modification
of the large loop
but possessing
all its features
22 in.—5 taps
List \$12.50

The Korach Loop is guaranteed and does a big share in obtaining perfect radio reception. Substantially constructed. This remarkable aerial is tapped to enable to tune in to greatest advantage. Jobbers and Dealers should take advantage of the great sales possibilities of this aerial. Write for details.

KORACH RADIO CO.
20 E. Jackson Blvd., Chicago, Ill.

VOLUMAX LOOP



Signal Strength and Convenience

These are the two most desirable qualities in radio loops, and in the Volumax they are both provided in an unusual degree.

The Volumax is 5 ft. 9 in. high—this dimension gives the astounding signal strength for which this loop is famous.

Used directionally, Volumax swings in a radius of only 7½ in. It can be collapsed and put out of the way in only a few seconds. For strength of signals, selectivity and convenience, the Volumax is in a class by itself. Price, \$14.50.

The Scott & Fetzer Company
Radio Division
Cleveland, Ohio

A Good Antenna Gets Better Reception

The flat, broad surface of Jiffy Ribbon Antenna provides an open door to incoming signals.

Jiffy RIBBON ANTENNA

will double—and even treble—your station log and will bring in many you never heard before.

Jiffy Ribbon Antenna is non-corrosive and rust proof; it will not kink or curl and has exceptionally high tensile strength. Supplied in 100 foot lengths complete—ready for installation—with two insulators.

At your dealer's **\$1.50**
—or direct.



Apex Stamping Company
Dept. D Riverdale, Ill.

Dealers: Write for Proposition!

Hoyt Electrical Instruments for RADIO

A Complete Line

POCKET METERS—

Voltmeters, Ammeters and Voltammeters of standard design—reasonably priced.

PEEP-HOLE METERS—

Unusual and exclusive design—will fit in hole ¼-in. in diameter. Supplied either as a voltmeter or ammeter.

PRECISION PANEL METERS—

Type 17—the smallest moving-coil meter made to date. Fits in 2-in. diameter hole and supplied as voltmeter or ammeter. The proper meter for quality sets.

PORTABLE METERS—

A complete line of voltmeters and ammeters—all ranges.

TUBE TESTER—

An instrument for testing and matching radio tubes. Indispensable for manufacturer, dealer and jobber.

If you require anything in the line of Electrical Measuring Devices—Ask us.

BURTON-ROGERS CO.
20 Brighton Ave., Boston, Mass.
Sales Department for
Hoyt Elec. Inst. Works

AERIALS, Loop Continued

- ✓Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for Aalco Loop Aerials) See advertisement, page 139.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- Mutual Radio Co., Stearns Rd., Wellesley, Mass.
- Nassau Radio Co., 60 Court St., Brooklyn, N. Y.
- Nazeley Co., J., 571 Hudson St., New York, N. Y.
- "Selecto" "Selecto Senior" "Portena" "Suportena"
- Nifty—see Amoroso Mfg. Co.
- Nifty, Jr.—see Amoroso Mfg. Co.
- ✓Pacent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisement, pages 97 and 157.
- ✓Paramount Radio Corp., 1482 Broadway, New York, N. Y. See advertisement, page 8.
- Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y. "Curtantenna"
- Portena—see Nazeley Co.
- Quincy Radio Laboratories, 645 Hampshire St., Quincy, Ill.
- Radio Appliance Laboratory, 4884 N. Clark St., Chicago, Ill. "Flat"
- Radio Corp. of America, 233 Broadway, New York, N. Y. "Radiola"
- Radio-Fone-O-Graf Co., 27 S. Broad St., Elizabeth, N. J.
- Radio Receptor Co., 106 Seventh Ave., New York, N. Y.
- ✓Radio Units, Inc., 1316 S. First Ave., Maywood, Ill. "Duo-Spiral" See advertisements, pages 7, 104 and 173.
- Radiola—see Radio Corp. of America
- Ray-Dee-Artcraft Mfg. Co., 12 E. Central Ave., Redlands, Cal.
- Red Seal—see Manhattan Electrical Supply Co.
- ✓Richards & Co., George, 557 W. Monroe St., Chicago, Ill. "Hemco" Cataloged opposite Inside Front Cover.
- Ritter Radio Corp., 232 Canal St., New York, N. Y.
- Schaeffer Mfg. Co., 226 E. 41st St., Portland, Ore.
- ✓Scott & Fetzer Co., (Radio Division), Cleveland, Ohio "Volumax" See advertisement, page 9.
- Scribner Co., R. B., 216 W. 34th St., New York, N. Y. "Hexloop"
- Selecto—see Nazeley Co.
- Selecto—see Thomas Co.
- Selecto Senior—see Nazeley Co.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich. "Signola"
- Signola—see Signal Electric Mfg. Co.
- ✓Silver-Marshall, 102 S. Wabash Ave., Chicago, Ill. "S-M" See advertisement, page 164.

- S-M—see Silver-Marshall
- Suportena—see Nazeley Co.
- Thomas Co., W. I., 217 N. Desplaines St., Chicago, Ill. "Selecto"
- ✓Toaz Engineering & Sales Co., 11703 Robertson Ave., Cleveland, Ohio. See advertisement, page 139.
- Trenton Wood Specialty Co., Stokes Ave., & P.R.R., Trenton, N. J.
- Utt-Williams Electrical Products Co., Santa Ana, Cal.
- Volumax—see Scott & Fetzer Co.
- Werner Radio Mfg. Co., P., 204 Ninth St., Brooklyn, N. Y.
- Wheeler Mfg. Co., 970 Montana St., Chicago, Ill.
- Whittemore, D. C., Port Washington, N. Y.
- ✓Wright Radio Co., 144 Exchange St., Rockland, Mass. "Lo-Lo" See advertisement, page 95.

AERIALS, Outdoor—

- see Insulators
- also Wire

AERIALS, Ribbon—

- see Wire, Flat or Strip

AERIALS, Socket—

- see Plugs, Antenna

AIR CONDENSERS—

- see Condensers, Variable
- also Condensers, Variable Vernier

ALCOHOL

TORCHES—

- see Torches, Alcohol

ALLOYS, Contact—

- see Points, Contact
- also Platinum

ALLOYS, Resistance—

- see Wire, Resistance

ALUMINUM

CASTINGS—

- see Castings, Aluminum

ALUMINUM DIE

CASTINGS—

- see Castings, Die

ALUMINUM FOIL—

- see Foil, Aluminum

ALUMINUM,

Sheet, Rod and Tube

- Aluminum Co., of America, Oliver Bldg., Pittsburgh, Pa.

AMMETERS,

Antennae—

- see Ammeters and Voltmeters, Panel Type

AMMETERS AND VOLTMETERS,

Panel Type

- For mounting on panels of Receiving and Transmitting Sets; for regular Switchboard Type Meters—See Ammeters and Voltmeters, Switchboard Type; for Pocket Battery Testers—see Ammeters and Voltmeters, Pocket

- Beede Electric Instrument Co., Penacook, N. H.

- ✓Burton-Rogers Co., 26 Brighton Ave., Boston, Mass. (Sole Distributors for Hoyt Electrical Instrument Works, Penacook, N. H.) See advertisement, page 9.

- Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.

- Eldredge Electric Mfg. Co., 3 Post Office Sq., Springfield, Mass. "Midget"

- General Electric Co., 1 River Rd., Schenectady, N. Y.

- General Radio Co., 11 Windsor St., Cambridge, Mass.

- Hoyt Electrical Instrument Works—see Burton-Rogers Co.

- Jewell Electrical Instrument Co., 1640 Walnut St., Chicago, Ill.

- Midget—see Eldredge Electric Mfg. Co.

- Piguet Instrument Co., 76 Greenwich St., New York, N. Y.

- P. V.—see Roller-Smith Co.

- Radio Corp. of America, 233 Broadway, New York, N. Y.

- Readrite Meter Works, Bluffton, Ohio

- Roller-Smith Co., 233 Broadway, New York, N. Y.

- "P. V."

- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio

- Westinghouse Electric & Mfg. Co., 82 Worthington St., Springfield, Mass.

- Weston Electrical Instrument Corp., 36 Weston Ave., Newark, N. J.

AMMETERS AND VOLTMETERS,

Pocket

- Advance—see Eldredge Electric Mfg. Co.

- ✓Burton-Rogers Co., 26 Brighton Ave., Boston, Mass. (Sole Distributors for Hoyt Electrical Instrument Works, Penacook, N. H.) See advertisement, page 9.

**AMMETERS AND
VOLTMETERS,
Pocket
Continued**

Eclipse — see Eldredge Electric Mfg. Co.
Eldredge Electric Mfg. Co., 3 Post Office Sq., Springfield, Mass. "Advance" "Eclipse"
Hoyt Electrical Instrument Works—see Burton-Rogers Co.
Jackson & Co., E. O., 500 S. State St., Chicago, Ill.
Jewell Electrical Instrument Co., 1640 Walnut St., Chicago, Ill.
Lundquist Tool & Mfg. Co., 144 Green St., Worcester, Mass.
Nagel Electric Co., W. G., 28 St. Clair Ave., Toledo, Ohio
Pignolet Instrument Co., 76 Greenwich St., New York, N. Y.
Readrite Meter Works, Bluffton, Ohio
Samber Radio Products Co., 27 School St., Boston, Mass.
Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
Tiffany Mfg. Co., 42 Spring St., Newark, N. J.
Weston Electrical Instrument Corp., 36 Weston Ave., Newark, N. J.

**AMMETERS,
Radiation—**

see Ammeters and Voltmeters, Panel Type

**AMMETERS AND
VOLTMETERS,
Switchboard Type**

General Electric Co., 1 River Rd., Schenectady, N. Y.
Imp—see Roller-Smith Co.
Jewell Electrical Instrument Co., 1650 Walnut St., Chicago, Ill.
Queen-Gray Co., 70 W. Johnson St., (German-town) Philadelphia, Pa.
Roller-Smith Co., 233 Broadway, New York, N. Y. "Imp"
Westinghouse Electric & Mfg. Co., 82 Worthington St., Springfield, Mass.
Weston Electrical Instrument Corp., 36 Weston Ave., Newark, N. J.

**AMPLICITE
CRYSTALS—**
see Crystals

AMPLIFIER TUBES—
see Tubes, Vacuum

**AMPLIFIERS, Audio
Frequency**

✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
Audiola Radio Co., 430 S. Green St., Chicago, Ill.
Auto Indicator Co., 209 Ottawa Ave., N. W., Grand Rapids, Mich.
Ballantine — see Boonton Rubber Mfg. Co.
Bird Radio Corp., 322 Main St., Cincinnati, Ohio
Boonton Rubber Mfg. Co., 624 Fanny Rd., Boonton, N. J. "Ballantine"
Breco — see Bronx Radio Equipment Co.
Bronx Radio Equipment Co., 687 Courtlandt Ave., New York, N. Y. "Breco"
Carco—see Carter Mfg. Co.
Carter Mfg. Co., 1728 Cort Ave., (E. Cleveland) Cleveland, Ohio "Carco"
Clapp-Eastham Co., 139 Main St., Cambridge, Mass. "Radak"
Laven Radio Corp., 158 Summit St., Newark, N. J.
Detrickson Radio Co., 121 S. Third St., St. Joseph, Mo.
De Witt-La France Co., 54 Washburn Ave., Cambridge, Mass.
Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
Electrad, Inc., 428 Broadway, New York, N. Y.
General Radio Co., 11 Windsor St., Cambridge, Mass.
Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
Harkness Radio Corp., Kenneth, 727 Erelinghuysen Ave., Newark, N. J.
Illinois Radio Engineering Co., 3508 W. 26th St., Chicago, Ill.
Kardon Products Co., 451 Greenwich St., New York, N. Y.
Kodol Radio Corp., 507 E. Pearl St., Cincinnati, Ohio.
Magnavox Co., 2725 E. 14th St., Oakland, Cal.
✓Modern Electric Mfg. Co., Toledo, Ohio. See advertisement, page 160.
Orator Radio Corp., 54th St. & Broadway, New York, N. Y.
✓Peerless Radio Corp., Newton Lower Falls, Mass. "Twin-Aud" See advertisement, page 159.
Penn C—see Pennsylvania Wireless Mfg. Co.
Pennsylvania Wireless Mfg. Co., 507 Florence Ave., New Castle, Pa. "Penn C"
Pentz Radio Factory, 207 S. Fifth St., Minneapolis, Minn.
Perasco—see Perry Radio Supply Co.
Perry Radio Supply Co., 218 Washington Blvd., River Forest, Ill. "Perasco"
Radak — see Clapp-Eastham Co.
Radio Corp. of America, 233 Broadway, New York, N. Y.

Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
Steinite Laboratories, Radio Bldg., Atchison, Kans.
Thermiodyne Radio Corp., 1819 Broadway, New York, N. Y.
3 in 1—see Welty & Co.
Trellcott Co., 2118 Hale Ave., Louisville, Ky.
Tuska Co., C. D., Hartford, Conn.
Twin-Aud — see Peerless Radio Corp.
United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
Welty & Co., Wm., A., 36 S. State St., Chicago, Ill. "3 in 1"
Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.

AMPLIFIERS, Power

Bristol Co., Waterbury, Conn.
Magnavox Co., 2725 E. 14th St., Oakland, Cal.
Steinmetz Wireless Mfg. Co., 5963 Baum Blvd., Pittsburgh, Pa.
Western Electric Co., 100 E. 42d St., New York, N. Y.

**AMPLIFIERS,
Radio Frequency**

Ballantine — see Boonton Rubber Mfg. Co.
Boonton Radio Corp., 724 Fanny Rd., Boonton, N. J.
Boonton Rubber Mfg. Co., 322 Fanny Rd., Boonton, N. J. "Ballantine"
De Witt-La France Co., 54 Washburn Ave., Cambridge, Mass.
Ed-U-Cator—see Mersman & Co.
Elkay — see Langbein-Kaufman Radio Co.
Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
Grebe & Co., A. H., 109 W. 57th St., New York, N. Y.
Haynes-Griffin Radio Service, Inc. — see Tested Radio Products, Inc.
✓Langbein-Kaufman Radio Co., Dept. O., 511 Chapel St., New Haven, Conn. "Elkay" See advertisement, page 126.
Mersman & Co., Ottawa, Ohio "Ed-U-Cator"
Nola Radio Co., 327 St. Charles St., New Orleans, La.
Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y.
Radio Engineering Laboratories, 27 Thames St., New York, N. Y.
✓Tested Radio Products, Inc., 214 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
Twitchell Co., S. A., 1925 Western Ave., Minneapolis, Minn.
United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio

KEYSTONE

RADIO LIGHTNING ARRESTERS

Retail
Price \$1.50

In Canada
\$2.00



Approved by
Underwriters E-1835

**Easily sold whenever you sell
antenna material**

A strong, sturdy, reliable protector required to relieve the antenna system of dangerous accumulations of static or lightning which may result in serious damage. Manufactured by a company having over 34 years' experience in the design of lightning protective apparatus.

The body of this arrester is made of genuine Bakelite, thus providing the very best insulation between antenna and ground with no loss in strength of incoming signals. The rugged discharge electrodes are inside the body, where they are in an absolutely water, dust and damp proof enclosure. All metal parts are of brass.

Write for Discounts

Electric Service Supplies Co.

*Mfrs. of over one and one-half million
lightning arresters*

PHILADELPHIA NEW YORK CHICAGO
17th and Cambria Sts., 50 Church St., Monadnock Bldg.

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

*The Radio Trade
Directory*

— without charge,
of course.

THE RADIO
TRADE DIRECTORY

AMPLIFIERS, Sound—
see Adapters, Phonograph
also Horns
also Speakers, Loud
also Units, Loud Speaker

**AMPLIFYING
HORNS—**
see Horns, Composition
also Horns, Metal
also Horns, Wood

**AMPLIFYING
TUBES—**
see Tubes, Vacuum

ANCHORS, Guy
Dicke Tool Co., 407 S. Dearborn St., Chicago, Ill.
Everstick Anchor Co., St. Louis, Mo.
Faultless Anchor & Mfg. Co., Centerburg, Ohio
Hubbard & Co., 6201 Butler St., Pittsburgh, Pa. "Steelwing"
Lanz Bolt Co., M., 2907 E. Carson St., Pittsburgh, Pa.
Steelwing—see Hubbard & Co.

**ANGLE BRACKETS,
Brass—**
see Brackets, Brass Angle

**ANTENNA
AMMETERS—**
see Ammeters and Voltmeters, Panel Type

ANTENNA, Copper—
see Wire, Braided Copper
also Wire, Copper Clad
Steel
also Wire, Enameled Copper
also Wire, Flat or Strip
Copper
also Wire, Single Copper
also Wire, Stranded Copper

**ANTENNA
INSULATOR
Brackets—**
see Brackets, Antenna Insulator

**ANTENNA
INSULATORS—**
see Insulators, Composition
also Insulators, Porcelain

**ANTENNA
LEADS-IN—**
see Leads-In, Insulated

ANTENNA MASTS—
see Poles, Steel
also Towers, Steel

ANTENNA PLUGS—
see Plugs, Antenna

**ANTENNA POLE
FITTINGS—**
see Fittings, Iron Antenna Pole

ANTENNA POLES—
see Poles, Steel

**ANTENNA TENSION
SPRINGS—**
see Springs, Antenna Tension

ANTENNA TOWERS—

see Towers, Steel

ANTENNA WIRE—

see Wire, Braided Copper
 also Wire, Copper Clad
 Steel
 also Wire, Enameled Cop-
 per
 also Wire, Flat or Strip
 Copper
 also Wire, Single Copper
 also Wire, Stranded Cop-
 per

ANTENNA,**Wire, Gold Plated—**see Wire, Gold Plated
Antenna**ANTENNAS, Indoor—**

see Aerials, Indoor

ANTENNAS, Loop—

see Aerials, Loop

ANTENNAS, Outdoor—

see Wire, Antenna

**ANTI-CAPACITY
SWITCHES—**

see Switches, Cam

**ANTIMONY
CRYSTALS—**

see Crystals

**ARMS, Phonograph
Tone—**

see Adapters, Phonograph

**ARRESTERS,
Lightning Indoor**American Electric Co., 6401
S. State St., Chicago, Ill."Burns"
Anchor—see Radio Receptor
Co.Argus—see Foote, Pierson &
Co.
Barklewe Electric Mfg Co.,
Middletown, Ohio
Brach Mfg. Co., L. S., 127
Sussex Ave., Newark, N. J.Burns—see American Elec-
tric Co.
Delgro Electric & Mfg. Co.,
11 S. Eighth Ave., (High-
land Park), New Brun-
swick, N. J.Electrad, Inc., 428 Broad-
way, New York, N. Y.Electric Service Supplies Co.,
17th & Cambria Sts.,
Philadelphia, Pa. "Key-
stone" See advertisement,
page 12.Fleron & Son, M. M., 110 N.
Broad St., Trenton, N. J.Foote, Pierson & Co., 160
Duane St., New York,
N. Y. "Argus"Frost, Herbert H., 314 Supe-
rior St., Chicago, Ill.General Electric Co., 1 River
Rd., Schenectady, N. Y.Globe Phone Mfg. Co., Read-
ing, Mass.

Guardian—see Muter Co.

Heinemann Electric Co.,
Philadelphia, Pa. "Sen-
sory" See advertisement,
page 68.Jewell Electrical Instrument
Co., 1640 Walnut St., Chi-
cago, Ill.K-E—see Kirkman Engi-
neering Corp.Keystone—see Electric Serv-
ice Supplies Co.Kirkman Engineering Corp.,
492 Broome St., New York,
N. Y. "K-E."Mohawk Electric Corp., 2222
Diversey Parkway, Chi-
cago, Ill.Muter Co., Lealle F., 76th &
Greenwood Ave., Chicago,
Ill. "Guardian" See adver-
tisement, page 59.Parker Aeolus Corp., 161
Grand St., New York,
N. Y.Prst Air Devices Co., 50
E. 42d St., New York,
N. Y.Radio Receptor Co., 106 Sev-
enth Ave., New York,
N. Y. "Anchor"Sensory—see Heinemann
Electric Co.Shaw, Henry M., 150 Colt
St., Newark, N. J.Shinn Mfg. Co., W. C., 2024
N. Racine St., Chicago, Ill.Swan-Haverstick, Inc., 143 E.
State St., Trenton, N. J.Fil-ko—see D-X Instrument
Co.Flower, D. E., 1217 Spring
Garden St., Philadelphia,
Pa.

Guardian—see Muter Co.

Heinemann Electric Co.,
Philadelphia, Pa. "Sensory"
See advertisement, page 68.Jewell Electrical Instrument
Co., 1640 Walnut St.,
Chicago, Ill.K-A-K-A Radio Co., Bellevue,
Pa.Keystone—see Electric Serv-
ice Supplies Co.Little Joe—see Circle F Mfg.
Co.Magnus Electric & Radio
Mfg. Corp., 787 E. 138th
St., New York, N. Y.Muter Co., Lealle F., 76th &
Greenwood Ave., Chicago,
Ill. "Guardian" See adver-
tisement, page 59.National Electric Specialty
Co., 314 S. St. Clair St.,
Toledo, Ohio "Vac-M"Parker Aeolus Corp., 161
Grand St., New York, N. Y.Radio Receptor Co., 59 Bank
St., New York, N. Y.
"Anchor"Sensory—see Heinemann
Electric Co.

Sentinal—see Essex Mfg. Co.

Shinn Mfg. Co., W. C., 2024
N. Racine St., Chicago, Ill.Simplex Radio Co., Philadel-
phia, Pa.Tel-radio Engineering Corp.,
490 Broome St., New York,
N. Y. Cataloged on page
142.Vac-M—see National Electric
Specialty Co.**ARRESTERS,
Lightning Outdoor**Ajax Electric Specialty Co.,
1926 Chestnut St., St.
Louis, Mo.Anchor—see Radio Receptor
Co.Antenna Insulator Co., 15
Bagley St., Pawtucket,
R. I. "Dry Gap"Brach Mfg. Co., L. S., 127
Sussex Ave., Newark, N. J.Branston, Chas. A., 813 Main
St., Buffalo, N. Y.Circle F Mfg. Co., 10 Prince
St., Trenton, N. J. "Little
Joe"Delgro Electric & Mfg. Co.,
11 S. Eighth Ave., (High-
land Park), New Brun-
swick, N. J.Dry Gap—see Antenna In-
sulator Co.D-X Instrument Co., Harris-
burg, Pa. "Fil-ko"Electrad, Inc., 428 Broad-
way, New York, N. Y.Electric Service Supplies Co.,
17th & Cambria Sts., Phila-
delphia, Pa. "Keystone"
See advertisement, page 12.Essex Mfg. Co., 117 Mul-
berry St., Newark, N. J.
"Sentinal"**ASBESTOS, Sheet**Ambesco—see American As-
bestos Co.Ambler—see Keasbey &
Mattison Co.American Asbestos Co., Nor-
ristown, Pa. "Ambesco"

J-M—see Johns-Manville, Inc.

Johns-Manville, Inc., 296
Madison Ave., New York,
N. Y. "J-M"Keasbey & Mattison Co.,
Ambler, Pa. "Ambler"Minerals & Insulation Sup-
plies Co., 96 Spring St.,
New York, N. Y.**ASSEMBLIES,****Battery Wiring—**see Cables, Multiple Bat-
tery**ATTACHMENTS,****Phonograph—**see Adapters, Phonograph
also Units, Loud Speaker

ATTACHMENTS,**Vernier**

For Vernier Dials—see Dials, Vernier

A. C. H.—see Haydon Radio & Research Co.

Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio. "Green Seal" Ajax—see Philmore Mfg. Co.

✓Alden Mfg. Co., Dept. D-4, Springfield, Mass., "Na-ald" Cataloged on page 137.

Amsco Products, Inc., 416 Broome St., New York, N. Y.

De Jur Products Co., 199 Lafayette St., New York, N. Y.

Eloc Radio Corp., 88 E. Kinney St., Newark, N. J.

Fiddlestick — see Jones, Howard B.

Fleron & Son, M. M., 110 N. Broad St., Trenton, N. J.

Green Seal — see Air-Way Electric Appliance Corp.

Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

Haydon Radio & Research Co., A. C., Brockton, Mass. "A. C. H."

H & H—see Hart & Hegeman, Mfg. Co.

Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J.

✓Jones, Howard B., 618 S. Canal St., Chicago, Ill. "Fiddlestick" See advertisement, page 29.

Magnus Electric & Radio Mfg. Corp., 787 E. 138th St. New York, N. Y.

Manufacturers & Inventors Electric Co., 29 Gold St., New York, N. Y. "Microtor"

Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"

Microtor—see Manufacturers & Inventors Electric Co.

Muzada — see Mazda Radio Mfg. Co.

Na-ald—see Alden Mfg. Co.

New York Coll Co., 338 Pearl St., New York, N. Y.

Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"

Q-R—see Robinson Specialty Co.

Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"

Radio Specialty Co., 98 Park Pl., New York, N. Y. "Rasco"

Rasco—see Radio Specialty Co.

Rit-One—see Radio Sales Co.

Robinson Specialty Co., 13 Walnut St., Keyport, N. J. "Q-R"

Tillman Products Co., 157 W. Ninth St., Brooklyn, N. Y.

Union Radio Corp., 124 Sussex Ave., Newark, N. J.

Walnat Electric Mfg. Co., 308 Green St., Chicago, Ill.

AUDIO FREQUENCY**AMPLIFIERS—**

see Amplifiers, Audio

AUDIO FREQUENCY**RESISTORS—**

see Resistors, Audio Frequency

AUDIO FREQUENCY**TRANSFORMERS—**

see Transformers, Audio

AUTOMATIC ANTENNA**SWITCHES—**

see Relays, Cut-In

AUTOMATIC CLOCK**SWITCHES—**

see Switches, Automatic Clock

AUTOMATIC CODE**TRANSMITTERS—**

see Transmitters, Automatic Code

AUTOMATIC SCREW**MACHINE**

PRODUCTS—
see Screw Machine Products, Automatic

AUTOMATIC TIME**SWITCHES—**

see Switches, Automatic Clock

B BATTERIES—

see Batteries, B Dry
also Batteries, B Storage

B BATTERY**CHARGERS—**

see Rectifiers, Bulb
also Rectifiers, Electrolytic
also Rectifiers, Motor Generator
also Rectifiers, Vibrator

B BATTERY ELIMINATOR

KITS—
see Rectifiers, Knockdown Plate Current Supply

B BATTERY**TEST TUBES—**

see Tubes, Glass Test

BABY KNIFE**SWITCHES—**

see Switches, Baby Knife

BANDS, Head

Autoyre Co., Main St., Oakville, Conn.

Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.

BAR SOLDER—

see Solder, Bar

BASES,**Antenna Pole—**

see Fittings, Iron Antenna Pole

BATTERIES, A Dry

Ace — see Carbon Products Co.

Addwater — see Burn-Boston Battery & Mfg. Works.

Bright Star Battery Co., 15th St. & River Head, Hoboken, N. J.

Burgess Battery Co., 111 W. Monroe St., Chicago, Ill.

Burn-Boston Battery & Mfg. Works, 80 Boylston St., Boston, Mass. "Addwater"

Carbon Products Co., Lancaster, Ohio "Ace"

Champion Carbon Mfg. Co., First Natl. Bank Bldg., Cincinnati, Ohio

Columbia—see National Carbon Co.

Du-Al — see Twin Dry Cell Battery Co.

Eveready—see National Carbon Co.

French Battery Co., Madison, Wis. "Ray-O-Vac"

Hipco—see Hipwell Mfg. Co.

Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"

Hytone Battery Mfg. Co., 2420 First Ave., New York, N. Y.

Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"

Marathon Battery Co., Wausau, Wis.

Maximite — see Wireless Dry Cells, Ltd.

Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.

AUDIO**AMPLIFIERS—**

see Amplifiers, Audio

BATTERIES, A Dry
Continued

- ✓ National Carbon Co., New York, N. Y. "Eveready" "Columbia" See Inside Front Cover.
- ✓ Niagara Sales Corp., 3-5 Waverly Pl., New York, N. Y. (Sole Distributors for Niagara Searchlight Co., Niagara Falls, N. Y.) See advertisement, page 18.
- Niagara Searchlight Co. — see Niagara Sales Corp.
- Novo Mfg. Co., 254 W. 47th St., New York, N. Y.
- Ray-O-Vac—see French Battery Co.
- Red-Seal — see Manhattan Electrical Supply Co.
- Reliance — see Wireless Dry Cells, Ltd.
- Re-Vi-Vo, Inc., 40 W. 20th St., New York, N. Y.
- Stuart Products Corp., 663 W. Washington Blvd., Chicago, Ill.
- Twin Dry Cell Battery Co., 11400 Madison Ave., W. Cleveland, Ohio "Du-Al"
- Wireless Dry Cells, Ltd., 904 Buffalo Ave., Niagara Falls, N. Y. "Maximite" "Reliance"
- ✓ Yale Electric Corp., Brooklyn, N. Y. See advertisement, pages 15 and 17.



YALE

"A"

BATTERY

Here's a money maker for you!

Yale Radio Storage Batteries not only have a most attractive exterior, but have the high standard of Yale quality built into each and every one of them.

Each Yale battery is made up in a hard rubber case with substantial bail handle. Packed in a dustproof container.

Write for the merchandising plan which will increase your turnover on a minimum investment.

Yale Electric Corporation

Chicago Brooklyn, N. Y. San Francisco

BATTERIES, A Storage

- Advanee Battery Mfg. Co., 227 E. Lee St., Louisville, Ky. "Powerfield"
- Aladdin—see Henderson Battery Co.
- Am-Plus Storage Battery Co., 425 W. Superior St., Chicago, Ill.
- Apollo Battery Co., S. Third St., Apollo, Pa.
- Arco Battery & Plate Co., Fort Wayne, Ind.
- Aristocrat — see Star Storage Battery Co.
- Ballard Storage Battery Co., 525 Seventh Ave., Beaver Falls, Pa.
- Bartholomew Battery & Supply Co., Beethoven Ave. & Morganford Rd., St. Louis, Mo. "Sphinx"
- Bear State Battery & Equipment Co., 1244 San Fernando Rd., Los Angeles, Cal.
- Bong Battery Corp., 3264 W. Grand Ave., Chicago, Ill.
- Brook-Rad Products Co., 577 Myrtle Ave., Brooklyn, N. Y.
- Buckeye Electric Manufacturers, South Silver Leaf St., Gladwin, Mich.
- Camel — see Campbell Electric Co.
- Campbell Electric Co., 1529 Wyandotte St., Kansas City, Mo. "Camel"
- Carlisle & Doughty, 2530 N. Broad St., Philadelphia, Pa.
- Champion — see MacRae, Hector C.
- Cincinnati Storage Battery Co., 3301 Colerain Ave., Cincinnati, Ohio
- Cleveland Engineering Laboratories Co., 2104

- Superior Viaduct, N. W., Cleveland, Ohio "Storad"
- Cole Battery Sales Corp., 2435 Indiana Ave., Chicago, Ill.
- Continental Battery Co., 3215 Papin St., St. Louis, Mo.
- Cooper Corp., Cincinnati, Ohio "Rub-Mika"
- D-G Storage Battery Co., 2029 Indiana Ave., Chicago, Ill.
- Dixie Storage Battery Co., 1412 W. Lafayette Ave., Baltimore, Md.
- Dragon — see Englert Mfg. Co.
- Edison Storage Battery Co., Orange, N. J.
- Electric Storage Battery Co., Alleghany Ave. & 19th St., Philadelphia, Pa. "Exide"
- Englert Mfg. Co., S. 25th & Jane Sts., Pittsburgh, Pa. "Dragon"
- Eveready—see National Carbon Co.
- Ewing Electrical Co., 55 16th St., Wheeling, W. Va.
- Exide—see Electric Storage Battery Co.
- Fontana Bros. Battery Co., 444 Worthington St. (Rear), Springfield, Mass.
- Forest City Sales Co., 1400 W. 25th St., Cleveland Ohio
- Fort Wayne Battery Mfg. Co., 230 E. Fourth St., Fort Wayne, Ind.
- Franklin Storage Battery Co., 2901 W. Jackson Blvd., Chicago, Ill.
- General Battery & Supply Co., East Moline, Ill.

- General Lead Batteries Co., Chapel St. & Lister Ave., Newark, N. J. "Titan"
- General Sales & Service Co., Moline, Ill.
- General Storage Battery Co., 2005 Locust St., St. Louis, Mo.
- Gibraltar Battery Mfg. Co., 1025 N. Marsalis St., Dallas, Tex.
- Gilbert Battery Co., 138 Fayerweather St., Bridgeport, Conn.
- Gill Storage Battery Co., 937 Third Ave., San Bernardino, Cal.
- Globe Electric Co., 14 Keefe Ave., Milwaukee, Wis.
- Gould Storage Battery Co., 250 Park Ave., New York, N. Y.
- Grant Storage Battery Co., 116 N. Second St., Minneapolis, Minn.
- Grier-Sutherland Co., 443 E. Larned St., Detroit, Mich.
- Hartford Battery Mfg. Co., Milldale, Conn.
- Hazelett Storage Battery Co., 2133 Columbus Rd., Cleveland, Ohio
- Heissler Storage Battery Co., 2450 Calumet Ave., Chicago, Ill.
- ✓ Helios Battery Co., 71 Chestnut St., Boston, Mass. "Joyce Bros." See advertisement, page 16.
- Henderson Battery Co., 232 W. Sprague St., Spokane, Wash. "Aladdin"
- Hobbs Storage Battery Co., 2019 Bay St., Los Angeles, Cal.

Hardware Electrical Radio
DISTRIBUTORS, JOBBERS, DEALERS
 Please Write for Details

Patented Storage Battery



**To Replace
 Expensive
 Batteries**

*Unconditional
 Guarantee
 One Year*

**Lasts with care
 10 years' service**
 Tried, rested and approved by the leading technical experts. Cannot short-circuit, nor shed material nor buckle due to its construction.

Replaces the dry cell battery.

Size of battery 5 in. by 1 1/4 in. Price \$1.50.
 Price of charger for recharging cell \$2.50.

HELIOS BATTERY CO.

71 Chestnut St.,
 Boston, Mass.

BATTERIES, A Storage Continued

Jefferson Mfg. Co., Jefferson, Wis. "Nu-Era"
 J E "Jelly" Battery Co. of Cal., 3100 S. Figueroa St., Los Angeles, Cal.
 Jordan Battery Co., Ypsilanti, Mich. "Ray"
 Joyce Bros.—see Helios Battery Co.
 Jumbo — see Primary Mfg. Corp.
 Kalb Electric & Mfg. Co., 7323 Manchester Ave., St. Louis, Mo. "Keco"
 Keco — see Kalb Electric & Mfg. Co.
 Kelly Battery Corp., 729 Granby St., Norfolk, Va.
 Kelman Electric Co., 470 Main St. E., Rochester, N. Y.
 Liberty Battery Co., 4241 Armitage Ave., Chicago, Ill.
 Lion Battery Mfg. Corp., 116 W. Brookline St., Boston, Mass.
 Lithide Battery Co., Connellsville, Pa.
 Lyons Storage Battery Co., 2525 N. Broad St., Philadelphia, Pa.
 McLean Storage Battery Co., 500 Prospect Ave., Cleveland, Ohio
 MacRae, Hector C., 314 St. Paul St., Baltimore, Md. "Champion"

Marko Storage Battery Co., 1402 Atlantic Ave., Brooklyn, N. Y.
 Martin Radio & Electric Co., 130 W. 57th St., New York, N. Y. "Packard"
 Merrimac Battery Plate Co., Seventh St. Rd. & Berry Blvd., Louisville, Ky.
 Mid-West Storage Battery Co., 362 W. 16th Pl., Indianapolis, Ind.
 Mitchell Battery & Tire Co., 1209 W. Lake St., Minneapolis, Minn.
 Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
 ✓ National Carbon Co., New York, N. Y. "Eveready" See Inside Front Cover.
 National Lead Battery Co., 1704 Roblyn Ave., St. Paul, Minn.
 National Mill Supply Co., 207 E. Columbia St., Ft. Wayne, Ind.
 National Utility Battery Co., Mt. Prospect, Ill. "Utility"
 Neidich Mfg. Corp., 1450 Flushing Ave., Brooklyn, N. Y.
 Nu-Era—see Jefferson Mfg. Co.
 Oxidite Battery Co., 1485 Marshall Ave., St. Paul, Minn.
 Packard—See Martin Radio & Electric Co.
 ✓ Perrine Quality Products Corp., Oumington St., Boston, Mass. See advertisement, page 19.

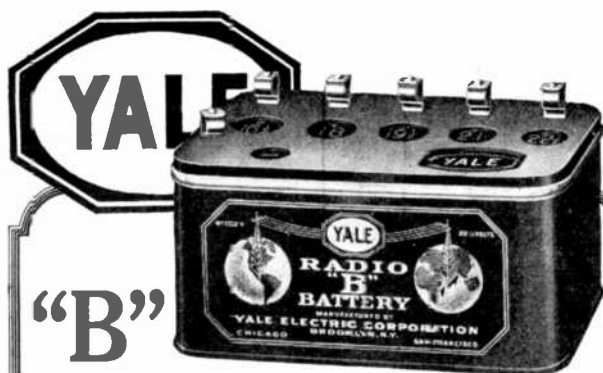
Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa. "Philco"
 Philco — see Philadelphia Storage Battery Co.
 Pioneer Storage Battery Co., 244 N. 15th St., Philadelphia, Pa.
 Powerfield—see Advance Battery Mfg. Co.
 Prest-O-Lite Co., (Speedway) Indianapolis, Ind.
 Primary Mfg. Corp., 87 Mercer St., New York, N. Y. "Jumbo"
 Puckett Storage Battery Co., Elgin, Tex.
 Rabat—see Radio Rabat Co.
 Radio Rabat Co., 1758 St. Clair Ave., Cleveland, Ohio "Rabat"
 Radio-Rubr Storage Battery Corp., 2012 Locust Ave., St. Louis, Mo.
 Radium Storage Battery Co., 800 Federal St., Saginaw, Mich.
 Ray—see Jordan Battery Co.
 Rub-Mika—see Cooper Corp.
 Service Battery Co., 704 E. 102d St., Cleveland, Ohio
 Signal Battery Corp., 1515 Gardena Ave., Glendale, Cal.
 Silvey Electric Co., 10 S. Canal St., Dayton, Ohio
 S. O. S.—See Victor Storage Battery Co.
 Sphinx — see Bartholomew Battery & Supply Co.
 Standard Battery Mfg. Co., 1103 N. Main St., Fort Worth, Texas
 Star Storage Battery Co., 311 Jefferson Ave., Muncie, Ind. "Aristocrat"
 Starr Storage Battery Co., 260 N. 15th St., Philadelphia, Pa.
 Stewart Battery Co., 125 N. Peoria St., Chicago, Ill.
 Storad—see Cleveland Engineering Laboratories Co.
 Sturges Multiple Battery Corp., Van Wyck Ave. & L. I. R. R., Jamaica, L. I., N. Y.
 Super-Plus—see Newhouse Storage Battery Co.
 Superior Battery Mfg. Co., 107 S. Seventh St., St. Louis, Mo.
 Superior Storage Battery Co., Kansas Ave. & Fifth St., Kansas City, Mo.
 Thomas Battery Corp., 511 W. 50th St., New York, N. Y.
 Thor—see Thornton & Everest.
 Thornton & Everest, 1216 S. Olive St., Los Angeles, Cal. "Thor"
 Titan — see General Lead Batteries Co.
 Tufts, W. & G., 333 Newbury St., Boston, Mass.
 U. S. Battery Co., Main Ave., Passaic, N. J.
 U S L—see U. S. Light & Heat Corp.
 U. S. Light & Heat Corp., 3215 Highland Ave., Niagara Falls, N. Y. "U S L"

**BATTERIES, A Storage
Continued**

- Universal Battery Co., 3410 S. La Salle St., Chicago, Ill. Utility—see National Utility Battery Co.
- ✓Vesta Battery Corp., 2100 Indiana Ave., Chicago, Ill. See advertisement, page 5.
- Victor Storage Battery Co., Rock Island, Ill. "S. O. S."
- Wearite Storage Battery Co., 107 Delancey St., Philadelphia, Pa.
- Weber Battery Co., 3332 Jackson Blvd., Chicago, Ill.
- Westinghouse Union Battery Co., Swissvale, Pa.
- Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio
- Witherbee Storage Battery Co., 2 W. 61st St., New York, N. Y.
- World Battery Co., 1219 S. Wabash Ave., Chicago, Ill.
- Wright Battery Co., 906 Leith St., Flint, Mich.
- ✓Yale Electric Corp., Brooklyn, N. Y. See advertisements, pages 15 and 17.
- Yale Storage Battery Co., Indianapolis, Ind.

BATTERIES, B Dry

- A. B. C.—see Advance Battery Corp.
- Ace — see Carbon Products Co.
- Addwater—see Burn-Boston Battery & Mfg. Works.
- Advance Battery Corp., 109 Prince St., New York, N. Y. "A. B. C."
- Aristocrat—see Wizard Battery Corp.
- Bright Star Battery Co., 15th St. & River Head, Hoboken, N. J.
- Brite-Lite Battery Co., Ulmer Bldg., Cleveland, Ohio
- Burgess Battery Co., 111 W. Monroe St., Chicago, Ill.
- Burn-Boston Battery & Mfg. Works, 80 Boylston St., Boston, Mass. "Addwater"
- Carbon Products Co., Lancaster, Ohio "Ace"
- Champion Carbon Mfg. Co., First Nat'l. Bank Bldg., Cincinnati, Ohio.
- Comet Battery Co., 5100 Superior Ave., Cleveland, Ohio
- Cyclone—see Standard Electric Novelty Co.
- Deal Electric Co., 453 Broome St., New York, N. Y.
- ✓Diamond Electric Specialties Corp., 106 S. Orange Ave., Newark, N. J. See advertisement, page 17.
- Enco Electric Novelty Co., 603 W. 130th St., New York, N. Y.
- Eureka Battery Co., 101 Wooster St., New York, N. Y.
- Eveready—see National Carbon Co.
- French Battery Co., Madison, Wis., "Ray-O-Vac"
- Giant Radio Battery Co., 18 Greene St., New York, N. Y.
- Hercules—see Spee Dee Specialty Co.



"B"

BATTERY

Tell your customers to cut down their radio operating costs by using these better Yale "B" Batteries.

We manufacture a complete line of Radio "A" "B" and "C" Batteries, especially designed to render economical and dependable service on all types of Radio Receiving Sets.

Write for profit-making plan for dealers

Yale Electric Corporation

Brooklyn, N. Y.

Chicago

San Francisco

The Proof of the Battery is in its Longevity

People don't buy twelve-cylinder motors because they're ambitious to be Barney Oldfields but because they want "reserve power" Radio set owners who don't want concerts spoiled, buy Diamond B Batteries for ENDURANCE.



lead in sales, too. As quality results from pure materials and careful manufacture, so sales follow quality. If you haven't Diamond B Batteries in stock, place a trial order. We'll send you a beautifully colored window display to link up with our national advertising. Write for it TODAY!

Diamond Electric Specialties Corp.

106 So. Orange Ave., Newark, N. J.



The "POWER LINE" from Niagara Falls

Backed by

15 years of experience and research work in battery and carbon fields—

Definite guarantee
Protective sales policy

Made at Niagara Falls by the makers of the famous NIAGARA searchlights and batteries.

General Sales Office

NIAGARA SALES CORPORATION
3-5 Waverly Place - New York

Super

NIAGARA

Quality

BATTERIES, B Dry Continued

- Hipco—see Hipwell Mfg. Co.
Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
International Battery Co., 139 Spring St., New York, N. Y. "Kerton"
Kerton — see International Battery Co.
Kleartone — see Twin Dry Cell Battery Co.
Kwik-lite — see Usona Mfg. Co.
Liberty Battery Co., 127 E. Eighth St., Cincinnati, Ohio
Marathon Battery Co., Wausau, Wis.
Maxlimate — see Wireless Dry Cells, Ltd.
Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
✓ National Carbon Co., New York, N. Y. "Eveready"
See Inside Front Cover.
National Electric Novelty Co., 403 Broome St., New York, N. Y. "Nenco"
National Utility Battery Co., Mt. Prospect, Ill. "Utility"
Nenco—see National Electric Novelty Co.
✓ Niagara Sales Corp., 3-5 Waverly Pl., New York, N. Y. (Sole Distributors for Niagara Searchlight Co., Niagara Falls, N. Y.)
See advertisement, page 18.
Niagara Searchlight Co.—see Novo Mfg. Co., 254 W. 47th St., New York, N. Y.
Queenbee—see Volton Battery Co.
Ray-O-Vac—see French Battery Co.
Re-Nu—see Steiner Battery Co.
Re-Vi-Vo, Inc., 40 W. 20th St., New York, N. Y.
Spee Dee Specialty Co., 271 Canal St., New York, N. Y. "Hercules"
Standard Electric Novelty Co., 19 Bond St., New York, N. Y. "Cyclone"
Steiner Battery Co., Lancaster, Ohio "Re-Nu"
Stuart Products Corp., 663 W. Washington Blvd., Chicago, Ill.
Sturges Multiple Battery Corp., Van Wyck Ave. & L.I.R.R., Jamaica, L. I., N. Y.
Success Electric Novelty Co., 19 Broadway, Brooklyn, N. Y.
Sunlight Battery Co., 111 Greene St., New York, N. Y.
Twin Dry Cell Battery Co., 11400 Madison Ave., W. Cleveland, Ohio "Klear-tone"
Usona Mfg. Co., 103 E. 125th St., New York, N. Y. "Kwik-lite"
Utility—see National Utility Battery Co.
Volton Battery Co., 21 Hopkins St., Brooklyn, N. Y. "Queenbee"
Winchester Repeating Arms Co., New Haven, Conn.

BEEHIVE B BATTERIES



Solid mahogany high finished cabinet—cannot be injured electrically. Will not deteriorate standing idle either charged or discharged. Will hold a charge approximately two months with a five tube set. With proper care it should last from six to eight years

Guaranteed for Two Years
Cost of charging—under five cents.

BRINKER-VAN CLEEF CORP.
223 W. 80th St., New York City



For Radio Use



Manufactured by
**Perrine Quality
Products Corp.**
Cummington St., Boston

BATTERIES, B Dry Continued

- Wireless Dry Cells, Ltd., 504 Buffalo Ave., Niagara Falls, N. Y. "Maximite"
- Wizard Battery Corp., 381 N. Main St., Pawtucket, R. I. "Aristocrat"
- Yale Electric Corp., Brooklyn, N. Y. See advertisements, pages 15 and 17.

BATTERIES, B Storage

- Aladdin—see Henderson Battery Co.
- American Battery Co., 2053 N. Racine Ave., Chicago, Ill.
- Ballard Storage Battery Co., 525 Seventh Ave., Beaver Falls, Pa.
- Bartholomew Battery & Supply Co., Beethovan Ave. & Morganford Rd., St. Louis, Mo. "Sphinx"
- Bear State Battery Equipment Co., 1244 San Fernando Rd., Los Angeles, Cal.
- Beehive — see Brinker-Van Cleef Corp.
- Bong Battery Corp., 3264 W. Grand Ave., Chicago, Ill.
- Brant Battery Co., 1622 W. 16th St., Los Angeles, Cal.

- Brinker-Van Cleef Corp., 223 W. 80th St., New York, N. Y. "Beehive." See advertisement, page 19.
- Brook — Rad Products Co., 577 Myrtle Ave., Brooklyn, N. Y.
- Camel — see Campbell Electric Co.
- Campbell Electric Co., 1529 Wyandotte St., Kansas City, Mo. "Camel"
- Carlile & Doughty, 2530 N. Broad St., Philadelphia, Pa.
- Cincinnati Storage Battery Co., 3301 Colerain Ave., Cincinnati, Ohio
- Clearlune B Battery Co., 178 Varick St., New York, N.Y.
- Cleveland Engineering Laboratories Co., 2104 Superior Viaduct, N. W., Cleveland, Ohio "Storad"
- Cole Battery Sales Corp., 2435 Indiana Ave., Chicago, Ill.
- Connor Battery Co., Van Wyck Blvd., Richmond Hill, L. I., N. Y.
- Cooper Corp., Cincinnati, Ohio "Rub-Mika"
- D. A. Radio Co., 30 Hollister St., Buffalo, N. Y.
- D-G Storage Battery Co., 2029 Indiana Ave., Chicago, Ill.
- Dragon — see Englert Mfg. Co.
- Durkee-Thomas Products Co., 1228 Folsom St., San Francisco, Cal. "Super-Dutho"
- Eaco — see Economic Appliance Co.

- Economic Appliance Co., Irwin, Pa. "Eaco"
- Edison Storage Battery Co., Orange, N. J.
- Electric Storage Battery Co., Alleghany Ave. & 19th St., Philadelphia, Pa. "Exide"
- Endurance—see Gray Electro Chemical Laboratories
- Englert Mfg. Co., S. 25th & Jane Sts., Pittsburgh, Pa. "Dragon"
- Ewing Electrical Co., 55 16th St., Wheeling, W. Va.
- Exide—see Electric Storage Battery Co.
- Federal Battery Co., 1509 S. Michigan Ave., Chicago, Ill.
- Fontana Bros. Battery Co., 444 Worthington St. (Rear), Springfield, Mass.
- Forbes — see Hearwell Electric Co.
- Forest City Sales Co., 1400 W. 25th St., Cleveland, Ohio
- Fort Wayne Battery Mfg. Co., 230 E. Fourth St., Fort Wayne, Ind.
- Franklin Storage Battery Co., 2901 W. Jackson Blvd., Chicago, Ill.
- Gardner Ignition Co., 4522 Detroit Ave., Cleveland, Ohio
- General Battery & Supply Co., East Moline, Ill.
- General Lead Batteries Co., Chapel St. & Lister Ave., Newark, N. J. "Titan"
- General Sales & Service Co., Moline, Ill.
- Gilbert Battery Co., 138 Fayenweather St., Bridgeport, Conn.

BATTERIES, B Storage Continued

- Globe Electric Co., 14 Keefe Ave., Milwaukee, Wis.
- Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
- Gould Storage Battery Co., 250 Park Ave., New York, N. Y.
- Grant Storage Battery Co., 116 N. Second St., Minneapolis, Minn.
- Gray Electro Chemical Laboratories, 11 W. 20th St., Bayonne, N. J. "Endurance"
- Grier-Sutherland Co., 443 E. Larned St., Detroit, Mich.
- Hartford Battery Mfg. Co., Milldale, Conn.
- Hawley—see Smith, B. W.
- Hazelett Storage Battery Co., 2133 Columbus Rd., Cleveland, Ohio
- Hearwell Electric Co., 53 Devonshire St., Boston, Mass. "Forbes"
- Heissler Storage Battery Co., 2450 Calumet Ave., Chicago, Ill.
- ✓ Helios Battery Co., 71 Chestnut St., Boston, Mass. "Joyce Bros." See advertisement, page 16.
- Henderson Battery Co., 232 Sprague St., Spokane, Wash. "Aladdin"
- Ideal Battery Mfg. Co., 233 N. Market St., Huntington, Ind. "Tip-Top"
- Inwood Radio Corp., 583 W. 207th St., (Inwood Sta.) New York, N. Y.
- J E "Jelly" Battery Co. of Cal., 3100 S. Figueroa St., Los Angeles, Cal.
- Jefferson Mfg. Co., Jefferson, Wis. "Nu-Era"
- Jordan Battery Co., Ypsilanti, Mich. "Ray-Dio"
- Joyce Bros.—see Helios Battery Co.
- Kelly Battery Corp., 729 Granby St., Norfolk, Va.
- Kelman Electric Co., 470 Main St. E., Rochester, N. Y.
- Kic-o—see Kimley Electric Co.
- Kimley Electric Co., 2665 Main St., Buffalo, N. Y. "Kic-o"
- Lane Mfg. Co., 2941 W. Lake St., Chicago, Ill. "Pepo"
- Liberty Battery Co., 4241 Armitage Ave., Chicago, Ill.
- Lion Battery Mfg. Corp., 116 N. Brookline St., Boston, Mass.
- Lyons Storage Battery Co., 2525 N. Broad St., Philadelphia, Pa.
- McKinney Co., E. A., 913 Cypress Ave., Santa Ana, Cal. "Macs"
- McLean Storage Battery Co., 500 Prospect Ave., Cleveland, Ohio
- Macs—see McKinney Co.
- Main Radio Batteries, 7016 Euclid Ave., Cleveland, Ohio
- Marcuson, E., 19 Madison Ave., New York, N. Y.
- Marko Storage Battery Co., 1402 Atlantic Ave., Brooklyn, N. Y.
- National Lead Battery Co., 1704 Roblyn Ave., St. Paul, Minn.
- National Mill Supply Co., 207 E. Columbia St., Ft. Wayne, Ind.
- New York Pacific Battery Co., 646 W. Washington St., Los Angeles, Cal.
- Nu-Era—see Jefferson Mfg. Co.
- Nu-Seal—see Universal Battery Co.
- Oxidite Battery Co., 1485 Marshall Ave., St. Paul, Minn.
- Pepo—see Lane Mfg. Co.
- Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa., "Philco"
- Philco — see Philadelphia Storage Battery Co.
- Prest-O-Lite Co., (Speedway) Indianapolis, Ind.
- Queenbee—see Volton Battery Co.
- Rabat—see Radio Rabat Co.
- Radio Heart Mfg. Co., 860 E. 163d St., New York, N. Y.
- Radio Rabat Co., 1758 St. Clair Ave., Cleveland, Ohio "Rabat"
- Radio-Rubr Storage Battery Corp., 2012 Locust St., St. Louis, Mo.
- Ray-Dio—see Jordan Battery Co.
- Roberts "B" Battery Co., 1120 Myrtle Ave., Brooklyn, N. Y.
- Royal B Battery Co., 124 W. 34th St., New York, N. Y.
- Rub-Mika—see Cooper Corp.
- See-Jay Battery Co., 915 Brook Ave., New York, N. Y.
- Service Battery Co., 704 E. 102d St., Cleveland, Ohio
- Silvey Electric Co., 10 S. Canal St., Dayton, Ohio
- Smith, B. W., 31 Washington Ave., Danbury, Conn. "Hawley"
- Sphinx — see Bartholomew Battery & Supply Co.
- Sta-Rite Battery Co., Louisville, Ky.
- Stewart Battery Co., 125 N. Peoria St., Chicago, Ill.
- Storad — see Cleveland Engineering Laboratories Co.
- Super-Dutho — see Durkee-Thomas Products Co.
- Superior Storage Battery Co., Kansas Ave. & Fifth St., Kansas City, Mo.
- Thor — see Thornton & Everest.
- Thornton & Everest, 1216 S. Olive St., Los Angeles, Cal. "Thor"
- Tip-Top—see Ideal Battery Mfg. Co.
- Tip-Top — see General Lead Batteries Co.
- Todd Electric Co., 36 W. 20th St., New York, N. Y.
- U S L—see U. S. Light & Heat Corp.
- U. S. Light & Heat Corp., 3215 Highland Ave., Niagara Falls, N. Y. "U S L"
- Universal Battery Co., 3410 S. La Salle St., Chicago, Ill. "Nu-Seal"
- ✓ Vesta Battery Corp., 2100 Indiana Ave., Chicago, Ill. See advertisement, page 5.
- Volton Battery Co., 21 Hopkins St., Brooklyn, N. Y. "Queenbee"
- Western Battery & Supply Co., 12th & Lincoln Sts., Denver, Colo. "Westric"
- Westinghouse Union Battery Co., Swissvale, Pa.
- Westric — see Western Battery & Supply Co.
- Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio
- World Battery Co., 1219 S. Wabash Ave., Chicago, Ill.
- Yale Storage Battery Co., Indianapolis, Ind.
- Zeid, J., 530 Calowhill St., Philadelphia, Pa.

BATTERIES, C Dry

- A. B. C.—see Advance Battery Corp.
- Ace—see Carbon Products Co.
- Advance Battery Corp., 109 Prince St., New York, N. Y. "A. B. C."
- Bright Star Battery Co., 15th St. & River Head, Hoboken, N. J.
- Burgess Battery Co., 111 W. Monroe St., Chicago, Ill.
- Carbon Products Co., Lancaster, Ohio "Ace"
- Champion Carbon Mfg. Co., First Natl. Bank Bldg., Cincinnati, Ohio
- Comet Battery Co., 5100 Superior Ave., Cleveland, Ohio
- Cyclone—see Standard Electric Novelty Co.
- Enco Electric Novelty Co., 603 W. 130th St., New York, N. Y.
- Eveready—see National Carbon Co.
- French Battery Co., Madison, Wis. "Ray-O-Vac"
- Hipco—see Hipwell Mfg. Co.
- Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
- International Battery Co., 139 Spring St., New York, N. Y. "Kerton"
- Kerton — see International Battery Co.
- Kwik-lite—see Usona Mfg. Co.

**BATTERIES, C Dry
Continued**

- Lenz Gyro-O-Cel—see Per-
manco Mfg. Corp.
- Marathon Battery Co., Wau-
saug, Wis.
- Maximite—see Wireless Dry
Cells, Ltd.
- Music Master Corp., 128 N.
Tenth St., Philadelphia,
Pa.
- ✓National Carbon Co., New
York, N. Y. "Eveready"
See Inside Front Cover.
- ✓Niagara Sales Corp., 3-5
Waverly Pl., New York,
N. Y. (Sole Distributors
for Niagara Searchlight
Co., Niagara Falls, N. Y.)
See advertisement, page 18.
- Niagara Searchlight Co.—see
Niagara Sales Corp.
- ✓Permanco Mfg. Corp., 1114
De Kalb Ave., Brooklyn,
N. Y. "Lenz Gyro-O-Cel"
See advertisement, page 33.
- Queenbee—see Volton Bat-
tery Co.
- Ray-O-Vac—see French Bat-
tery Co.
- Standard Electric Novelty
Co., 19 Bond St., New
York, N. Y. "Cyclone"
- Stuart Products Corp., 663
W. Washington Blvd., Chi-
cago, Ill.
- Sturges Multiple Battery
Corp., Van Wyck Ave. &
L. I. R.R., Jamaica, L. I.,
N. Y.
- Success Electric Novelty Co.,
19 Broadway, Brooklyn,
N. Y.
- Sunlight Battery Co., 111
Greene St., New York, N. Y.
- Usona Mfg. Co., 103 E. 125th
St., New York, N. Y.
"Kwik-lite"
- Volton Battery Co., 21 Hop-
kins St., Brooklyn, N. Y.
"Queenbee"
- Winchester Repeating Arms
Co., New Haven, Conn.
- Wireless Dry Cells, Ltd., 904
Buffalo Ave., Niagara Falls,
N. Y. "Maximite"
- ✓Yale Electric Corp., Brook-
lyn, N. Y. See advertise-
ments, pages 15 and 17.

**BATTERIES
AND CHARGERS,
Combined—**

see Batteries, Combined
Charger and Storage

**BATTERIES, Combined
Charger and Storage**

- Acme Engineering Co., Louis-
ville, Ky.
- Aldifen Battery Co., 68 E
McMicken St., Cincinnati,
Ohio
- American Battery Co., 2053
N. Racine Ave., Chicago,
Ill. "PowerWell"

Gould Storage Battery Co.,
250 Park Ave., New York,
N. Y.

Kalb Electric & Mfg. Co.,
7323 Manchester Ave., St.
Louis, Mo. "Kombination
De Luxe"

Kombination De Luxe—see
Kalb Electric & Mfg. Co.

✓Perrine Quality Products
Corp., Cummington St.,
Boston, Mass. See ad-
vertisement, page 19.

PowerWell—see American
Battery Co.

✓Radio Units, Inc., 1316 First
Ave., Maywood, Ill. "Wil-
son" See advertisements,
pages 7, 104 and 173.

Universal Products Co., Osh-
kosh, Wis.

Wilson—see Radio Units,
Inc.

**BATTERIES, Knock
Down Storage**

Pacific Screw Co., 645 N. E.
53d St., Portland, Ore.
"Pasco"

Pasco—see Pacific Screw Co.
Romco Storage Battery Co.,
146 W. 68th St., New York,
N. Y.

BATTERY ACID—

see Electrolyte, Storage
Battery

**BATTERY
CABINETS—**

see Cabinets, Zinc Coated
Battery

**BATTERY CABLES,
Multiple—**

see Cables, Multiple Bat-
tery

**BATTERY
CHARGERS—**

see Rectifiers, Bulb
also Rectifiers, Electrolytic
also Rectifiers, Motor Gen-
erator
also Rectifiers, Vibrator

BATTERY CLIPS—

see Clips, Electrical Test

BATTERY CORDS—

see Cables, Multiple Bat-
tery

**BATTERY
ELECTROLYTE—**

see Electrolyte, Storage
Battery

**BATTERY ELIM-
INATOR KITS—**

See Rectifiers, Knockdown
Plate Current Supply

**BATTERY
ELIMINATORS—**

see Rectifiers, Filament
Current Supply
also Rectifiers, Filament
and Plate Current Sup-
ply
also Rectifiers, Plate Cur-
rent Supply

BATTERY FILLERS—
see Fillers, Storage Bat-
tery

BATTERY JARS—
see Jars, Glass Battery
also Jars, Rubber Battery

BATTERY MATS—
see Mats, Rubber Battery

BATTERY METERS—
see Ammeters and Volt-
meters, Panel
also Ammeters and Volt-
meters, Pocket

BATTERY PAINT—
see Paints, Storage Battery

BATTERY PLATES—
see Batteries, Storage

**BATTERY
POTENTIOMETERS**
see Potentiometers, Battery

**BATTERY
RHEOSTATS—**
see Rheostats, Battery

BATTERY SEALING COMPOUNDS—
see Compounds, Battery Sealing

BATTERY SEPARATORS—
see Separators, Wood Battery

BATTERY SUBSTITUTES—
see Rectifiers, Filament Current Supply
also Rectifiers, Filament and Plate Current Supply
also Rectifiers, Plate Current Supply

BATTERY SWITCHES—
see Switches, Baby Knife
also Switches, Push-Pull

BATTERY SWITCHES, Toggle—
see Switches, Toggle Battery

BATTERY TEST TUBES—
see Tubes, Glass Test

BATTERY TESTING HYDROMETERS—
see Hydrometers, Battery Testing

BATTERY TESTING INSTRUMENTS—
see Ammeters and Voltmeters
also Hydrometers, Battery Testing

BATTERY TRAYS—
see Trays, Glass Battery
also Trays, Rubber Battery

BATTERY WIRING ASSEMBLIES—
see Cables, Multiple Battery

BEADERS, Bezel—
see Tools, Bezel Beading

BEADING TOOLS—
see Tools, Bezel Beading

BELL WIRE—
see Wire, Bell

BENDING POST CLIPS—
see Clips, Connecting

BENDING TOOLS, Bus Bar—
see Tools, Bus Bar Bending

BEZEL BEADING TOOLS—
see Tools, Bezel Beading

BEZELS, Panel
Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
✓Alden Mfg. Co., Dept. D-1, Springfield, Mass. "Na-ald" Cataloged on page 137.
De Jur Products Co., 199 Lafayette St., New York, N. Y.
Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Eria"
Eria — see Electrical Research Laboratories.
Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.
Green Seal — see Air-Way Electric Appliance Corp.
Mar-Co — see Martin-Copeland Co.
✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
Morse Co., Frank W., 289 Congress St., Boston, Mass.
Na-ald—see Alden Mfg. Co.
✓Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. "Stasco" See advertisement, page 95.
Stasco—see Sheffield Trimming & Stamping Corp.
Waterbury Button Co., Waterbury, Conn.

BINDING POST JACKS—
see Posts, Jack Binding

BINDING POST STRIPS—
see Strips, Binding Post

BINDING POSTS—
see Posts, Composition
also Posts, Jack
also Posts, Lettered
also Posts, Metal
also Posts, Multiple Connection

BIT BRACES—
see Braces, Bit

BITS, Auger
Deuse, J. S., Chester, Conn.
Irwin Auger Bit Co., Wilmington, Ohio
Jennings Mfg. Co., Russell, Chester, Conn.
Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
Snell Mfg. Co., Fiskdale, Mass.
Swan Co., Jas., 279 Bank St., Seymour, Conn.

BLADES, Hack Saw
A A A—see Atkins & Co.
American Saw & Mfg. Co., Springfield, Mass. "Lenox"
Armstrong-Blum Mfg. Co., 333 N. Francisco Ave., Chicago, Ill. "Marvel"
Atkins & Co., E. C., S. Meriden St., Indianapolis, Ind. "A A A"
Diamond Saw & Stamping Works, 357 Seventh St., Buffalo, N. Y. "Sterling"
Disston & Sons, Henry (Tacony), Philadelphia, Pa.
Eureka — see Thompson & Son Co.
Expert — see Napier Saw Works
Goodell—Pratt Co., Wells St., Greenfield, Mass.
Higrade—see Standard Saw & Tool Mfg. Co.
Lenox—see American Saw & Mfg. Co.
Marvel—see Armstrong-Blum Mfg. Co.
Mayhew Steel Products, 35 Warren St., New York, N. Y.
Mil Flex—see Thompson & Son Co.
Milford—see Thompson & Son Co.
Millers Falls Co., Millers Falls, Mass.
Napier Saw Works, 22 Cottage St., Middletown, N. Y. "Expert" "Quality"
Olemson Bros., Middletown, N. Y. "Star"
Quality — see Napier Saw Works
Red Devil — see Smith & Hemenway
Simonds Mfg. Co., 470 Main St., Fitchburg, Mass.
Smith & Hemenway, 261 Broadway, New York, N. Y. "Red Devil"
Standard Saw & Tool Mfg. Co., 10 Damrell St., Boston, Mass. "Higrade"
Star—see Olemson Bros.
Starrett Co., L. S., 165 Crescent St., Athol, Mass.
Sterling—see Diamond Saw & Stamping Works

**BLADES, Hack Saw
Continued**

Thompson & Son Co., Henry G., 277 Chapel St., New Haven, Conn. "Milford," "Eureka" "Mil Flex"
Victor Saw Works, Middletown, N. Y.

**BLOCKS,
Multiple Phone—**
see Boxes, Multiple Phone

BLOW TORCHES—
see Torches, Alcohol

**BOARDS,
Wired Base**

Durad—see Duraplate Co.
Duraplate Co., Summerdale Ave. & Roosevelt Rd., Philadelphia, Pa. "Durad"

**BORNITE
CRYSTALS—**
see Crystals

**BOXES,
Cable Connecting**
✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. "Konekt Rite" See Inside Back Cover.
Konekt Rite — see Kellogg Switchboard & Supply Co.

BOXES, Grounding—
see Rods, Ground

BOXES, Multiple Phone
A. C. H.—see Hayden Radio & Research Co.
Aeolus Corp., 161 Grand St., New York, N. Y.
Barkeletw Electric Mfg. Co., Middletown, Ohio
Branston, Chas. A., 813 Main St., Buffalo, N. Y.
Dictograph Products Corp., 220 W. 42d St., New York, N. Y.
Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
Globe Phone Mfg. Co., Reading, Mass.
✓Hamburg Bros., 440-46 Seventh Ave., Pittsburgh, Pa. "Pennsylvania." See advertisement, page 67.
Hayden Radio & Research Co., A. C. H., Brockton, Mass. "A. C. H."
Kay Radio Co., 364 39th St., Brooklyn, N. Y.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

✓Murdoek Co., Wm. J., 430 Washington Ave., Chelsea, Mass. See advertisement, page 124.
✓Parent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
Pennsylvania—see Hamburg Bros.

BRACES, Bit
Goodell-Pratt Co., Wells St., Greenfield, Mass.
Lancaster Machine & Knife Works, Lancaster, N. Y.
Mayhew Steel Products Co., 33 Warren St., New York, N. Y.
Millers Falls Co., Millers Falls, Mass.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn.
Stanley Rule & Level Co., 111 Elm St., New Britain, Conn.
Stanley Works (Special Production Dept.), Grave & Hill St., New Britain, Conn.

**BRACKETS,
Antenna Insulator**
Line Material Co., (South Milwaukee), Milwaukee, Wis.
M & M Co., 500 Prospect Ave., Cleveland, Ohio.
Pearl Co., Wm. H., 425 Harmon St., Indianapolis, Ind.

**BRACKETS,
Antenna Pole—**
see Fittings, Iron Antenna Pole

**BRACKETS,
Brass Angle**
✓Toaz Engineering & Sales Co., 11703 Robertson Ave., Cleveland, Ohio. See advertisement, page 139.

**BRACKETS,
Cat Whisker**
De Jur Products Co., 199 Lafayette St., New York, N. Y.

**BRACKETS,
Socket Mounting—**
see Mounts, Panel Socket

**BRACKETS,
Sub-Panel**
Benjamin Electric Mfg. Co., 128 S. Sangamon St., Chicago, Ill.

**BRAIDED
ANTENNA WIRE—**
see Wire, Braided Copper Antenna

**BRASS ANGLE
BRACKETS—**
see Brackets, Brass Angle

BRASS EYELETS—
see Eyelets, Brass

BRASS GROMMETS—
see Eyelets, Brass

**BRASS MACHINE
SCREWS—**
see Screws, Brass Machine

BRASS NUTS—
see Nuts, Brass

BRASS RIVETS—
see Rivets, Brass and Copper

BRASS, Rod—
see Brass & Copper, Sheet

BRASS SLIDERS—
see Sliders, Tuning Coil

BRASS TUBING—
see Tubing, Brass and Copper

BRASS WASHERS—
see Washers, Brass and Copper

BRASS, WIRE—
see Wire, Brass

**BRASS WOOD
SCREWS—**
see Screws, Brass Wood

RADIO CABINETS

*All types or any size
in any quantity*

Submit sketches or blueprints for any special type of cabinet work. Finished or unfinished.

The Lester Talking Machine Company

5117-19-21 Wakefield Street,
Philadelphia, Pa.



RADIO CABINETS BUILT TO ORDER

IN QUANTITIES ONLY
SPECIALTY DISPLAY CASE CO.
KENDALLVILLE, IND.

BUSHINGS, Lead-In—
see Insulators
also Tubes, Porcelain

**BUZZERS,
High Frequency**
Ajax Electric Co., 18 Palmer
St., Cambridge, Mass. "Hy-
tone"
Federal Telephone Mfg. Corp.
Buffalo, N. Y.
General Radio Co., 11 Wind-
sor St., Cambridge, Mass.
Hytone—see Ajax Electric Co.

BUZZERS, Practice—
see Buzzers, High Frequency

**BY-PASS
CONDENSERS—**
see Condensers, Fixed

C BATTERIES—
see Batteries, C Dry

CABINET HINGES—
see Hinges, Continuous

BRASS AND COPPER, Sheet and Rod

Ambrac — see American
Brass Co.
American Brass Co., Water-
bury, Conn. "Ambrac"
"Anaconda"
Anaconda — see American
Brass Co.
Bridgeport Brass Co., Bridge-
port, Conn. "Ledrite"
Chase Metal Works, 236
Grand St., Waterbury,
Conn.
Detroit Copper & Brass Roll-
ing Mills, Clark Ave. &
Wabash R. R., Detroit,
Mich.
Ledrite — see Bridgeport
Brass Co.
Manhattan Brass Co., 332 E.
28th St., New York N. Y.
Michigan Copper & Brass
Works, 5851 W. Jefferson
Ave., Detroit, Mich. "Wol-
verine"
New Haven Copper Co., Sey-
mour, Conn.
Omega — see Riverside Metal
Co.
Randolph-Clowes Co., 384
Bank St., Waterbury, Conn.
Riverside Metal Co., River-
side, N. J. "Omega"
Rome Brass & Copper Co.,
Bouch St., Rome, N. Y.
Seovill Mfg. Co., Waterbury,
Conn. See advertisement,
page 113.
Wolverine — see Michigan
Copper & Brass Works.

BREAST DRILLS—
see Drills, Hand and Breast

BULB RECTIFIERS—
see Rectifiers, Bulb

BULBS—
see Tubes, Vacuum

**BUS-BAR BENDING
TOOLS—**
see Tools, Bus-Bar Bend-
ing

BUS-BAR WIRE—
see Wire, Bus-Bar

**BUS WIRE
CONNECTORS—**
see Connectors, Solderless

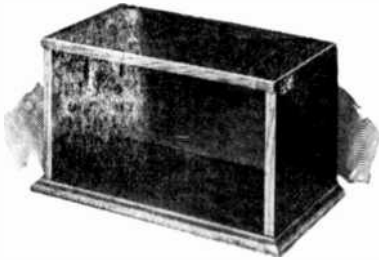
BUSHING REAMERS—
see Reamers, Dial

BUSHINGS, Dial
Grammes & Sons, L. F., 438
Union St., Allentown, Pa.
Waterbury Button Co., Water-
bury, Conn.

**CABINETS, Fabric or
Leather Covered**
✓ Berg Auto Trunk & Specialty
Co., Long Island City, N. Y.
See advertisement, page
147.
✓ Kulekerbocker Case Co., 228-
38 N. Clinton St., Chicago,
Ill. See advertisement,
page 27.
Taylor Trunk Works, C. A.,
678 N. Halsted St., Chi-
cago, Ill.

CABINETS, Glass
Hornig, August W., 3921
Dickens Ave., Chicago, Ill.
Radio Shop, Batesville, Ark.
Steffens Glass Cabinet Co.,
6028 Ingleside Ave., Chi-
cago, Ill.

CABINETS, Knockdown
Berman Sporting Goods Co.,
92 E. Seventh St., St. Paul,
Minn.
Corbett Cabinet Mfg. Co.,
1415 East St., Pittsburgh,
Pa.
Golden Rule Service, Mt.
Vernon, Ohio
Gordon Radio & Electric Mfg.
Co., 1610 Fourth Ave.,
Seattle, Wash.
Phipps Co., W. H., 367 Wil-
son Ave., Brooklyn, N. Y.
Weber Electric Works, Cleve-
land, Ohio



The Jewett Parkay RADIO CABINET

A complete line of solid walnut cabinets with nicked hardware and exquisite parquetry tops, permitting the amateur to build a set that will compare favorably in appearance with the most costly sets on the market. Natural, scratch resisting finish. Each Parkay protected by oil paper envelope and excelsior blanket in individual carton.

List Prices

7x9x18	\$11.25
7x9x21	11.75
7x9x24	12.25
7x9x26	13.75
7x9x27	15.25
8x9x30	18.25
8x8x40	19.25

(30 and 40 inch sizes carry panel base board. All sizes 21 inches and upward, fitted with top rail.)

"THERE IS NO
SUBSTITUTE FOR THE BEST"

The Superspeaker Highboy

An elaborate and perfectly appointed unit consisting of table and cabinet, housing Radio set, and all batteries. Famous Superspeaker built in. Sliding doors make perfect fit for any set up to 30 inches length. Mahogany or walnut. Takes Radio into the realm of fine furniture. Shipped crated. Price \$130. West of the Rockies, \$140.

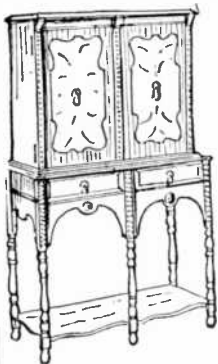
JEWETT RADIO & PHONOGRAPH COMPANY

5686 TELEGRAPH ROAD

PONTIAC, MICH.

CABINETS, Wood

- A-1 Woodworking Co., 1338 San Julian St., Los Angeles, Cal.
- Acme Cabinet Co., 37 N. Ninth St., Philadelphia, Pa. Adapto—see Donehue Co.
- Adapto—see Jewett Radio & Phonograph Co.
- A. F. M.—see Associated Furniture Manufacturers, Inc.
- American Beauty—see Pier-son Co.
- American Cabinet Works, Belmar, N. J.
- American Chest Co., 180 N. Market St., Chicago, Ill.
- American Radio Cabinet Co., 50 Market St., N. W., Grand Rapids, Mich.
- ✓ American Radio Cabinet Co., 215 Race St., Philadelphia, Pa. See advertisement, page 28.
- Anderson & King, 455 Peachtree St., Atlanta, Ga.
- Art Cabinet Works, Mt. Vernon, Ohio. "Golden Queen" "Silver King"
- Art Novelty Co., E. Lincoln Ave., Goshen, Ind.
- ✓ Associated Furniture Manufacturers, Inc., 11 E. 40th St., New York, N. Y. "A. F. M." See advertisement, page 26.
- Auto Truck & Trailer Co., Dansville, N. Y.
- Baldwin Radio Electrical Mfg. Co., 684 Bergen St., Brooklyn, N. Y.
- Bartholomew, G. A. Guardian Bldg., Cleveland, Ohio. "Favorite"
- Bear Furniture Co., G. H., Allentown, Pa.
- Blandin Phonograph Co., 1700 16th St., Racine, Wis.
- Broadcaster Corp., 2414 W. Cullerton Ave., Chicago, Ill.
- Bryan Leader—see Jesse Mfg. Co.
- Bryan Special—see Jesse Mfg. Co.
- Burt Bros., 2000 S. Ninth St., Philadelphia, Pa.
- Bush & Lane Plano Co., Holland, Mich.
- Cabinet Makers, Inc., 247 E. 137th St., New York, N. Y.
- Case Toy & Sales Co., 7250 Kelley St., (Homewood Sta.), Pittsburgh, Pa.
- Caswell-Runyon Co., Huntington, Ind.
- Charlotte Furniture Co., Charlotte, Mich.
- Chillicothe Furniture Co., Chillicothe, Mo.
- Churchill Cabinet Co., 2119 Churchill St., Chicago, Ill.
- Cincinnati Auto Body Co., 1938 W. Elighth St., Cincinnati, Ohio
- Columbia Mantel Co., 175 Powers St., Brooklyn, N. Y. "Recordion"
- Columbus Radio Cabinet & Console Co., 88 1/2 E. Spring St., Columbus, Ohio
- Concertola Radio Shop, 15 Tompkins St., New York, N. Y.
- Connersville Furniture Co., Connersville, Ind.
- Cook Co., C. A., 18 Osborn St., Cambridge, Mass.
- Corbett Cabinet Mfg. Co., 1415 East St., Pittsburgh, Pa.
- Cornish Piano Co., Wash-ington, N. J.
- Detroit Woodenware & Mfg. Co., 2152 Newton Ave., Detroit, Mich.
- Dettenborn Woodworking Co., L. F., 337 Sheldon St., Hartford, Conn.
- Diamond Cabinet Co., 3542 N. Carlisle St., Philadel-phia, Pa.
- Dixie Cabinet Co., 511 N. Solomon St., New Orleans, La.
- Donehue Co., L. R., 112 Smith St., Perth Amboy, N. J. "Adapto"
- Ebco Radio Cabinet Co., 410 W. 27th St., New York, N. Y.
- Eckophone Co., 75 Rockwel' Pl., Brooklyn, N. Y.
- Edon Novelty Works, Edon Ohio
- Ehlerl Cabinet Co., Wau-kesha, Wis.
- Electric Specialty Co., 309 Phillips St., Helena, Ark.
- Elgin Phonograph & Novelty Co., West Chicago & Union Sts., Elgin, Ill.
- Elite Radio Co., 4 Landscape Ave., Yonkers, N. Y.
- Elokay Mfg. Co., 946 Fulton St., Brooklyn, N. Y.
- Emerson Radio Corp., 309 Sixth Ave., New York, N. Y.
- Empire-United Hat Block Co., 312 E. 22d St., New York, N. Y.
- Erskins — Danforth Corp., 383 Madison Ave., New York, N. Y.
- Eshoo Cabinet Works, E., 635 Herkimer St., Brooklyn, N. Y.



Dealers Make An Extra Profit!

Sell a Radio Table or
Cabinet, with every
Radio Set you sell.



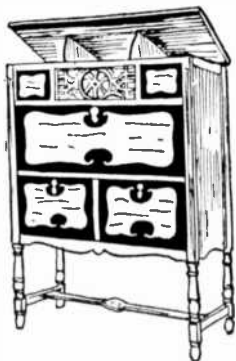
50 PATTERNS

Tables, Speaker Tables,
Cabinets, Consoles,
Hutches, Etc.

*In stock at our factories for
immediate delivery.*

Manufacturers

Special Cabinets de-
signed and executed.
Let us quote on your
requirements.



Distributors

Exceptional opportu-
nity for recognized
distributors to secure
exclusive franchise in
restricted territories.

*Entire Sample Line
Displayed At Our
Wholesale Showrooms*

Write for Complete Catalog and Price List

**ASSOCIATED
FURNITURE MANUFACTURERS, Inc.**
11 East 40th Street - - - New York

CABINETS, Wood

Continued

- Excello Products Corp., 4826
W. 16th St., Cicero, Ill.
Express Body Corp., 44 Lake
St., Crystal Lake, Ill.
"M-B-G" "Neat-Fit"
Fashion Furniture Corp.,
Youngsville, Pa.
Favorite — see Bartholomew,
G. A.
French Furniture Co., Wm.
A., 217 N. E. Fifth St.,
Minneapolis, Minn.
Fuller Co., P. H., 365 Gerard
Ave., New York, N. Y.
Gerson, Louis Jay, 23 Union
Sq., W., New York, N. Y.
Gladwin Electric Co., Glad-
win, Mich.
Golden Queen—see Art Cab-
inet Works
Goodwork Radio Cabinet
Shop., 6715 S. Park Ave.,
Los Angeles, Cal.
Gordon Radio & Electric
Mfg. Co., 1610 Fourth Ave.,
Seattle, Wash.
Hale Mfg. Co., F. E., Her-
kimer, N. Y.
Hamilton Mfg. Co., Two
Rivers, Wis.
Harper Mfg. Co., Cassopolis,
Mich.
Harponola Co., 101 Tractor
Rd., Colina, Ohio. "Harp-
O-Radio"
Harp-O-Radio — see Harp-
onola Co.
Holbrook Co., Hudson, N. Y.
Hughesville Furniture Co.,
Hughesville, Pa.
Ideal Radio Cabinet Co., 281
Vermont St., Blue Island,
Ill.
International Equipment Co.,
14th & Michigan Sts., Kan-
sas City, Mo.
Interstate Woodworking Co.,
46 Wooster St., New York,
N. Y.
Irving Furniture Factories,
469 Seventh Ave., New
York, N. Y.
Iveyline — see Southern Toy
Co.
Jesse Mfg. Co., John O.
Bryan, Ohio. "Bryan
Leader" "Bryan Special"
✓Jewett Radio & Phonograph
Co., 5686 Telegraph Rd.,
Pontiac, Mich. "Parkay"
"Adapto." Cataloged on
page 25.
Johnstown Mfg. Co., Syra-
cuse, N. Y.
✓Kelllogg Switchboard & Sup-
ply Co., 1066 W. Adams St.,
Chicago, Ill. See Inside
Back Cover.
Kelton Mfg. Co., Worcester,
Mass.
Klamor Mfg. Co., 1617 Mc-
Garry St., Los Angeles,
Cal.
Knickerbocker Talking Ma-
chine Co., 83 Broadway,
New York, N. Y.
Kramer Woodworking Co.,
21st & Indiana Aves.,
Philadelphia, Pa.
Lakeside Supply Co., 73 W.
Van Buren St., Chicago, Ill.
Lamm, Arthur J., Stephen-
town, N. Y.
Lawrence Cycle Co., 16 S.
Mercer St., New Castle,
Pa.
✓Lester Talking Machine Co.,
5117-21 Wakelield St.,
Philadelphia, Pa. See ad-
vertisement, page 24.

CABINETS, Wood
Continued

- Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
- Manufacturers Phonograph Co., 95 Madison Ave., New York, N. Y. "Strand"
- Mastercraft—see Wolf Manufacturing Industries
- M-B-G—see Express Body Corp.
- Miami Cabinet Co., Yellow Springs, Ohio
- Michell Furniture Co., Robert, Second & John Sts., Cincinnati, Ohio
- Milwaukee Ave. Phonograph & Radio Store, 1016 Milwaukee Ave., Chicago, Ill.
- National Cabinet Co., 6 Cincinnati St., Dayton, Ohio
- Natural Voice Talking Machine & Radio Cabinet Co., Oneida, N. Y.
- Neat-Fit—see Express Body Corp.
- Nicoll & Co., 190 Hooper St., San Francisco, Cal.
- Ogden Sectional Cabinet Co., 700 Salem St., Lynchburg, Va.
- Orsenigo Co., 383 Madison Ave., New York, N. Y.
- Parkay—see Jewett Radio & Phonograph Co.
- ✓Parker-Young Co., 131 State St., Boston, Mass. "Pyco" See advertisement, page 167.
- Pennsylvania Lumber Sales Co., 337 S. Broad St., Philadelphia, Pa.
- Perfection Phonograph Co., 203 Lewis St., New York, N. Y. "Perfecto"
- Perfecto—see Perfection Phonograph Co.
- ✓Perkins-Campbell Co., 410-40 New St., Cincinnati, Ohio. See advertisement, page 27.
- Perkins Phonograph Co., 831 N. Wood St., Chicago, Ill.
- Pierson Co., Cedar & Pleasant Sts., Rockford, Ill. "American Beauty"
- Pilliod Lumber Co., Swanton, Ohio
- Plymouth Radio & Phonograph Co., Plymouth, Wis.
- Pooley Co., 16th St. & Indiana Ave., Philadelphia, Pa.
- Price Co., Albert O., Coshoc-ton, Ohio.
- Pyco—see Parker-Young Co.
- Radio Cabinet Corp., 628 Sixth St., Rockford, Ill.
- Radio-Master Corp. of America, Bay City, Mich.
- ✓Radio Products Inc., Dept. TR, Richmond, Ind. "R-P De Luxe" Cataloged on page 58.
- Raven Radio, Inc., Cobleskill, N. Y.
- Recordion—see Columbia Mantel Co.
- Regal Woodworking Co., 372 Second Ave., New York, N. Y.
- R-E-Z Cabinet Co., 54 North St., Boston, Mass.
- Richard Mfg. Co., Winooski, Vt.
- Rivoli—see Vincennes Phonograph Co.
- R-P De Luxe—see Radio Products, Inc.

KNICKERBOCKER RADIO CASE

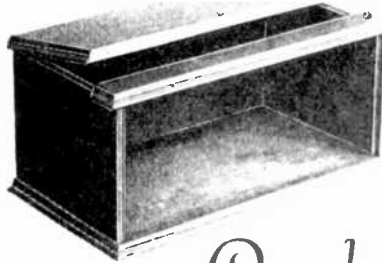
MODEL 400
\$12.50
RETAIL



High grade Black Artificial Leather Covered. Removable Back and Front Wood Horn for Loud Speaker. Space for Panel 21x7 in. Deep Cover for Dials and Straps to Hold Collapsible Aerial. Battery Space Both Sides of Horn.

Specialists and Original Designers of Radio Cases. We are especially equipped to handle volume requirements of Portable Set. Manufacturers. Write Us.

KNICKERBOCKER CASE CO.
228-38 N. CLINTON ST., CHICAGO



No. 1001
Imitation
Mahogany
No. 5010
Solid Mahogany
or Walnut
Special
dust-proof lid.



Campbell
ESTABLISHED 1872

RADIO CABINETS

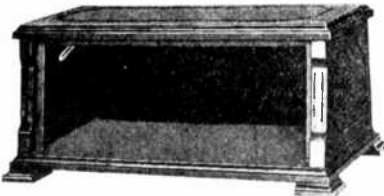
Campbell Radio Cabinets are made of No. 1 extra dry lumber, absolutely accurate in all dimensions and workmanship. Will not warp or crack.

In beautiful finishes comparing favorably with the finest musical instruments and furniture. Made in solid mahogany or walnut. Also furnished in imitation mahogany or walnut.

Prices on various sizes and designs, also Special Discounts to Manufacturers and Dealers sent upon request.

THE PERKINS-CAMPBELL CO.

410-440 New St., Cincinnati, O. New York Branch
89 Chambers St.



*Originality
in Design*

Finest
Materials
and
Workmanship

RADIO CABINETS OF QUALITY

Consult us on your requirements for well-made and designed radio cabinets with built-in Loud Speakers.

Our staff of designers and experienced cabinet makers put truly distinctive cabinets on a basis that makes the cost exceedingly attractive.

AMERICAN RADIO CABINET CO., 245 Race St., Philadelphia

CABLES

5-wire rubber insulated battery cables, all styles of clips or terminals. Using the standard code of colors for battery leads. Special cables made for the set manufacturer.

Nationally Advertised

Premier blue Ribbon Cables are advertised in all the leading radio publications.

Ask for a Folder.

At your jobbers or write us mentioning his name.

Crescent Braid Co., Inc., Providence, R. I.

CABINETS, Wood Continued

- Scheibner, C. O., Woodbridge, Mo.
- Schloss Bros., 801 E. 135th St., New York, N. Y.
- Schutz Bros. 152 Chambers St., New York, N. Y.
- Sextro Furniture Co., Wm., Dalton Ave. & Wilstrach St., Cincinnati, Ohio
- Sheboygan Novelty Co., Sheboygan, Wis.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich. "Signola Aristocrat"
- Signola Aristocrat—see Signal Electric Mfg. Co.
- Silver King—see Art Cabinet Works
- Southern Toy Co., Hickory, N. Car. "Iveyline"
- ✓ Specialty Display Case Co., Kendallville, Ind. See advertisement, page 24.
- Square Deal Radio & Electric Co., 103 Leroy St., Fenton, Mich.
- Standard Cabinet Mfg. Co., 201 E. Canal St., Peru, Ind.
- Steger & Sons Piano Mfg. Co., 28 E. Jackson Blvd., Chicago, Ill.
- Stettner Phonograph Corp., 318 E. 75th St., New York, N. Y.
- Stiles & Co., H. A., 166 Portland St., Boston, Mass.
- Stradivara Co., Coshocton, Ohio

- Strand—see Manufacturers Phonograph Co.
- Sturm Radio Cabinet Factory, 319 S. Jefferson St., Chicago, Ill.
- Superior Wood Working Co., Hancock & Berks Sts., Philadelphia, Pa.
- Trenton Wood Specialty Co., Stokes Ave. & P. R.R., Trenton, N. J.
- Udell Works, 28th St. & Barnes Ave., Indianapolis, Ind.
- Unico—see Unit Construction Co.
- Union Tool Chest Co., 19 Hand St., Rochester, N. Y.
- Unit Construction Co., 58th St. & Woodland Ave., Philadelphia, Pa. "Unico"
- United Radio Cabinet Co., 706 Massachusetts Ave., Cambridge, Mass.
- Universal Cabinet Co., Radio Ave., Greenville, Ohio.
- Universal Phonograph & Radio Cabinet Mfg. Co., Ninth & Monroe Sts., St. Louis, Mo.
- Utility Cabinet Co., Waukesha, Wis.
- Valenti Art Furniture Mfg. Co., 1515 Atlantic Ave., Brooklyn, N. Y.
- Vincennes Phonograph Co., Vincennes, Ind. "Rivoli"
- Vitanola Talking Machine Co., American Furniture Mart Bldg., Chicago, Ill. "Vitaradio"
- Vitaradio—see Vitanola Talking Machine Co.

- Wabash Cabinet Co., Wabash, Ind.
- W. A. L. Radio Cabinet Co., Fort Lee, N. J.
- Wasmuth-Goodrich Co. (Oakdale) Peru, Ind.
- Wels Mfg. Co., 201 Union St., Monroe, Mich.
- Westchester Artistic Works, Greenwich, Conn.
- Western Cable & Light Co., Baldwin, Wis.
- Wheeler Mfg. Co., 970 Montana St., Chicago, Ill.
- Whetzal, Walter M. H., 37 Plum St., Westerville, Ohio
- Wizard Phonograph Co., 1377 Ogden Ave., Chicago, Ill.
- Wolf Manufacturing Industries, 319 N. Third St., Quincy, Ill. "Mastercraft"
- Wolverine Furniture Co., Zeeland, Mich.
- Wood Specialty Mfg. Co., 1166 Chase St., Camden, N. J.
- Wright De Coster Radio, Inc., 1466 Selby Ave., St. Paul, Minn.
- York Furniture Mfg. Corp., York, Pa.
- Young Mfg. Co., 725 N. Second St., Beloit, Wis.

CABINETS, Zinc Coated Battery

- Morris Register Co., Council Bluffs, Iowa "Zincalite"
- Zincalite—see Morris Register Co.

CABLE, Aerial— see Wire

CABLE, CONNECTING BOXES— see Boxes, Cable Connecting

CABLE MARKERS, Metal— see Markers, Metal Cable

CABLES, Multiple Battery

- Acme Wire Co., Dixwell Ave., New Haven, Conn. "Celbitsite"
- American Fabric Co., 46 Baker St., Providence, R. I.
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- ✓ Bolden Mfg. Co., 2320-n S. Western Ave., Chicago, Ill. See advertisement, page 183.
- Barnbach Radio Co., 370 Seventh Ave., New York, N. Y. "Riga"
- Blue Ribbon—see Crescent Braid Co.
- Celatsite—see Acme Wire Co.



Type B.M.

This is the
Jones
MULTI-PLUG
THE STANDARD SET CONNECTOR

used by
HOWARD WORKRITE
MU-RAD ZENITH
and Other Leading
Set Manufacturers

Neat and simple to install, it provides a plug-in connection between set and batteries ground and antenna. The 8 foot cable permits placing batteries in basement or other suitable place.

Manufactured and Guaranteed by
HOWARD B. JONES
618 S. Canal St., Chicago
Jobbers—Dealers—Write

Radio Wires
Battery Cables

Manufacturers of Insulated Wires
For a Quarter Century

We have recently developed a new type of wire for wiring radio sets—Type 184—Stands 12,000 volts, is flexible, will not absorb moisture and is easily soldered. Supplied in five standard colors. Samples will be sent to set manufacturers upon request.

All Types of Wires
and Special Wiring Assemblies

Manufactured By

THE GOODYEAR RUBBER
INSULATING CO.

and

THE WHITNEY BLAKE
COMPANY

Distributed Solely By

Western Electric

ELECTRICAL SUPPLIES
Offices in 52 Principal Cities

CABLES,
Multiple Battery
Continued

- Columbia Radio Corp., 155 N. Union St., Chicago, Ill. "Multicolncord"
- Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
- ✓ Crescent Braid Co., Providence, R. I. "Blue Ribbon" See advertisements, pages 28 and 46.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Detroit Insulated Wire Co., 4561 Wesson Ave., Detroit, Mich.
- Goodrich-Lenhardt Mfg. Co., Hamburg, Pa.
- ✓ Jones, Howard B., 618 S. Canal St., Chicago, Ill. "Rainbow" See advertisement, page 29.
- Multicolncord Columbia Radio Corp.
- Packard Electric Co., Dana Ave., Warren, Ohio
- Philadelphia Insulated Wire Co., 200 N. Third St., Philadelphia, Pa.
- Rainbow—see Jones, Howard B.
- Riga—see Birnbach Radio Co.
- Runzel-Lenz Electric Mfg. Co., 1751 North Western Ave., Chicago, Ill.
- WB—see Western Electric Co.

- ✓ Western Electric Co., 100 E. 42d St., New York, N. Y. (Sole Distributors for Whitney Blake Co., New Haven, Conn.) "WB" See advertisement, page 29.
- Whitney Blake Co. — see Western Electric Co.
- Wilkins Electric Mfg. Corp., 52 Orawangum St., White Plains, N. Y.
- Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

CALIPERS AND
DIVIDERS

- Brown & Sharpe Mfg. Co., Promenade St., Providence, R. I. "Rex"
- Consolidated Tool Works, 296 Broadway, New York, N. Y. "Pilot"
- Fay—see Starrett Co.
- Goodell-Pratt Co., Wells St., Greenfield, Mass.
- Lufkin-Rule Co., Hess Ave., Saginaw, Mich.
- Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"
- Pexto—see Peck, Stow & Wilcox Co.
- Pilot—see Consolidated Tool Works
- Rex—see Brown & Sharpe Mfg. Co.
- Starrett Co., L. S., 165 Crescent St., Athol, Mass. "Fay" "Yankee"
- Union Tool Co., 48 E. River St., Orange, Mass.
- Yankee—see Starrett Co.

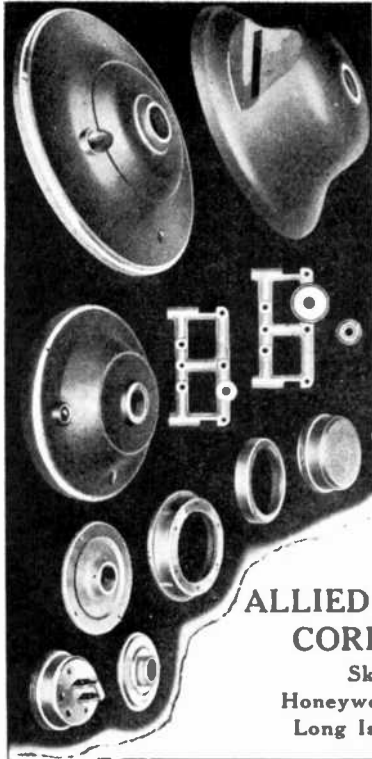
CAM SWITCHES—
see Switches, Cam

CAMBRIC TUBING—
see Tubing, Spaghetti

CARDBOARD
TUBES—
see Tubes, Paper

CASTINGS, Aluminum
Aluminum Co. of America,
Oliver Bldg., Pittsburgh,
Pa.

- Aluminum Foundry Co., 1208 Tremont St., Boston, Mass.
- Atkinson Co., 575 Lyell Ave., Rochester, N. Y.
- Atlas Brass Foundry Co., Columbus, Ohio
- Brass & Bronze Castings Co., 6516 Carnegie Ave., S. E. Cleveland, Ohio
- Bridgeport Deoxidized Bronze & Metal Co., 459 Iranistan Ave., Bridgeport, Conn.
- City Brass Foundry Co., 5310 St. Clair Ave., N. E., Cleveland, Ohio
- Cleveland Aluminum Casting Co., 901 Adison Rd., Cleveland, Ohio
- Columbus Brass Co., 620 Dublin Ave., Columbus, Ohio



Die-Cast Parts for Radio Equipment

Alloys exactly suited for radio parts. Best facilities for accurate work. 100% organization for speed production and reliable service.

ALLIED DIE-CASTING CORPORATION

Skillman Ave.
Honeywell & Buckley Sts.
Long Island City, N. Y.

CASTINGS, Aluminum Continued

Imperial Brass Mfg. Co.,
1234 W. Harrison St., Chi-
cago, Ill.
Jefferson Brass Foundry, 62
Delevan Ave., Brooklyn,
N. Y.
Light Mfg. & Foundry Co.,
Union & Queen Sts., Potts-
town, Pa.
National Aluminum & Found-
ry Co., 1912 Frederick St.,
Racine, Wis.
Pioneer Brass Works, 1102
E. 23d St., Indianapolis,
Ind.
Racine Aluminum & Brass
Foundry Co., 1329 12th St.,
Racine, Wis.
Werra Aluminum Foundry
Co., Waukesha, Wis.
Western Brass Mfg. Works
Marshall Blvd. & 21st St.,
Chicago, Ill.
Williams & Son, E. A., 105
Plymouth St., Jersey City,
N. J.
Wisconsin Aluminum Found-
ry Co., 16th & Franklin
Sts., Manitowoc, Wis.

CASTINGS, Die

Albro—See Bronze Die Cast-
ing Co.

- ✓Allied Die-Casting Corp.,
Skillman Ave. & Honeywell
& Buckley Sts., Long Island
City, N. Y. See advertise-
ment, page 30.
- Aluminum Co. of America,
Oliver Bldg., Pittsburgh,
Pa.
- American Bearing Corp., 421
W. 11th St., Indianapolis,
Ind.
- Atlas Die Casting Corp., 29
Jackson St., Worcester,
Mass.
- Badger Die Casting Co., 157
Buffalo St., Milwaukee,
Wis.
- ✓Barnhart Brothers & Spind-
ler, Monroe & Throop Sts.,
Chicago, Ill. See advertise-
ment, page 32.
- Bronze Die Casting Co.,
Franklin St. & Ohio River,
Pittsburgh, Pa. "Albro"
- Doehler Die-Casting Co.,
Court & Ninth Sts., Brook-
lyn, N. Y.
- ✓Franklin Die-Casting Corp.,
Syracuse, N. Y. See ad-
vertisement, page 31.
- Hahn Mfg. Co., Harry W.,
627 San Pedro St., Los
Angeles, Cal.
- Illinois Die Casting Co., 2318
Ogden Ave., Chicago, Ill.
- Interstate Bearing Co., Her-
kimer, N. Y.
- Krone-Sebek Die Casting &
Mfg. Co., 666 W. Austin
Ave., Chicago, Ill.
- Legler-Ellerman Co., Dayton,
Ohio
- ✓Marf Machine & Die Cast-
ing Co., 149 41st St.,
Brooklyn, N. Y. See Opposite
Inside Back Cover.
- Michigan Smelting & Refin-
ing Co., 7885 Jos. Campau
Ave., Detroit, Mich.
- Milwaukee Die Casting Co.,
Milwaukee, Wis.
- Paragon Die Casting Co.,
3223 Ravenswood Ave.,
Chicago, Ill.

Sterling

DIE CASTINGS

For the
RADIO
MANUFACTURER

Bases and Units
for
Loud Speakers
Curved Elbows
Die Cast
Condensers
Brackets for
Vario-
couplers
Shells for Ear
Phones
Crystal
Housings
Ferrules, etc.
in Aluminum
Zinc Base
Tin and
Lead Alloys
Quick Delivery
Low Die Charges



*If You Value Real Service and Co-operation,
Let Us Quote You.*

Send for Details

STERLING DIE CASTING CO., INC.
739 39th St., BROOKLYN, N. Y.

FRANKLIN DIE-CASTINGS



FOR increased production, assured accuracy, reduced cost per piece and reduction in the amount of equipment required, manufacturers are turning more and more to die-castings.

The following formulas are in general use by us. These, however, may be modified to meet the special requirements of each customer:

(A) Zinc Base Alloys

	No. 8	No. 53*
Tin.....	6% _c	None
Copper.....	3 1/2% _c	3% _c
Aluminum.....	1 1/2% _c	5% _c
Zinc.....	89 1/2% _c	92% _c

*Horsehead spelter or its equivalent is used in this alloy.

These are most frequently used as substitutes for cast iron, but may sometimes be substituted for brass and steel, especially where inserts can be used at points subject to special strain or wear.

(B) Babbitts or Tin Base Metals

	SAE 11	"S"	"B"	HGB
Tin.....	87% _c	84% _c	81 1/2% _c	78 1/2% _c
Antimony.....	7% _c	9% _c	13 3/4% _c	13 1/2% _c
Copper.....	6% _c	7% _c	4 3/4% _c	4 1/2% _c
Lead.....				4% _c

These are used chiefly for bearings in automobile engines, compressors and other machines requiring a high-class bearing, also for parts requiring special acid-proof quality, such as soda fountain pumps, etc.

(C) High Lead Babbitts

	SAE 12	No. 48	No. 17	No. 10	SAE 13
Lead.....	25% _c	42% _c	67 1/2% _c	74 1/2% _c	84 1/2% _c
Tin.....	61 1/2% _c	48% _c	17% _c	10% _c	5% _c
Antimony.....	10 1/2% _c	8 1/2% _c	15% _c	15% _c	10% _c
Copper.....	3% _c	1 1/2% _c	00 1/2% _c	00 1/2% _c	00 1/2% _c

These are chiefly used for bearings where the working condition are not such as to demand one of the high tin alloys.

(D) Aluminum

For the production of our aluminum castings, various grades of aluminum alloys can be used. In their selection we are guided by the conditions to be met, such as wall thickness, bearing requirements, hardness, etc. Fusing point of these alloys is approximately 1,150 degrees. The tensile strength will vary from 25,000 to 27,000 lbs., but may in some alloys be increased by heat treating.

Limits to be Observed in Designing Die-Castings

Metal	Max. Weight of Casting, Pounds	Min. Wall Thickness, Inches	Min. Limits on Incapacities per Incapacity Diameter or Length, Plus or Minus	Max. Number of External Threads per Inch†	Min. Diameter of Holes, Inches	Draft	
						Cores per Inch of Length and Diam. ‡	Walls per Inch
Aluminum.....	3	1 8	0 0025	20	3 32	0 015	0 005
Tin base.....	3	1 32	0 0005	34	1 32	0 0005	0 001
Lead base.....	10	1 32	0 001	24	1 32	0 0005	0 001
Zinc base.....	6	1 8	0 001	30	1 32	0 001	0 001

*For small castings, the wall thickness of aluminum and zinc-base die-castings may be 1/16 inch.

†When the dimension involved is several inches, these limits may sometimes be relaxed.

‡When close fits are required in aluminum, the thread should be cast over-size and chased. Internal threads cannot be cast satisfactorily in aluminum, but can in some cases be cast in parts made from zinc, tin, or lead-base alloys.

§The size of hole that can be cast depends on its length and the design and thickness of the casting. Holes not cast can usually be located by spotting the casting in order to facilitate drilling.

¶While the draft limits given in the table are desirable, they may sometimes be modified to meet special requirements.

•For aluminum, cores less than 1/8 inch in diameter should have draft of 0.005 inch per inch of length and diameter.

FRANKLIN DIE-CASTING CORPORATION, SYRACUSE, N. Y.

When writing advertisers, please mention THE RADIO TRADE DIRECTORY

SUPERIOR DIE CASTINGS

**Mechanical Parts
Cast Finished**

**Standard and Special Alloys
of Aluminum and White Brass—
Zinc, Tin and Lead Base**

**COMPLETE FACILITIES AND
SUPERIOR SERVICE**



**BARNHART
BROTHERS & SPINDLER**
Monroe & Throop Streets
CHICAGO

The RADIO TRADE DIRECTORY'S *List of Wholesalers*

gives the names of all concerns whose Radio business is 50% or more wholesale.

Names of Managers and Buyers, territory covered, number of men traveled, amount of stock carried and much other pertinent data is also given.

It will help you solve your jobber problems.

*Further particulars
will be gladly furnished
on request.*

The Radio Trade Directory

CASTINGS, Die Continued

Parker White-Metal & Machine Co., Railroad & 23d Sts., Erie, Pa.

Perfection Die Casting Corp., 400 Lakeside Ave., N. W., Cleveland, Ohio.

Phoenix Die Casting Co., 21 Illinois St., Buffalo, N. Y.

Precision Castings Co., Syracuse, N. Y.

R-W Mfg. Co., 224 N. Halsted St., Chicago, Ill.

Saal Co., H. G., 1800 Montrose Ave., Chicago, Ill.

Soss Mfg. Co., 765 Bergen St., Brooklyn, N. Y.

✓ Sterling Die Casting Co., 739 39th St., Brooklyn, N. Y. See advertisement, page 30.

Stewart Mfg. Corp., 4535 Fullerton Ave., Chicago, Ill.

Superior Die Casting Co., 874 E., 72d St., Cleveland, Ohio

CAT WHISKER BRACKETS—

see Bracket, Cat Whisker

CAT WHISKER WIRE—

see Wire, Special Cat Whisker

CAT WHISKERS—

see Whiskers, Cat

CENTER PUNCHES—

see Punches, Center

CHALCOPYRITE CRYSTALS—

see Crystals

CHARGER BATTERIES, Combined—

see Batteries, Combined Charger and Storage

CHARGERS, Battery—

see Rectifiers, Bulb also Rectifiers, Electrolytic also Rectifiers, Motor Generator also Rectifiers, Vibrator

CHEMICAL RECTIFIERS—

see Rectifiers, Electrolytic

CHOKO COILS, Radio Frequency—

see Coils, Radio Frequency Choke

CHOKES, Static—

see Reducers, Static

CIGAR LIGHTERS, Electric—

see Lighters, Electric Cigar

CLAMPS, Ground

Amoroso Mfg. Co., 14 Sears St., Boston, Mass. "Nifty"

Blackburn Specialty Co., 1965 E. 65th St., Cleveland, Ohio

Chase-Shawmut Co., Newburyport, Mass.

Delgro Electric & Mfg. Co., 11 S. Eighth Ave., (Highland Park), New Brunswick, N. J.

Eagle Electric Mfg. Co., 38 S. Eighth St., Brooklyn, N. Y.

Ekko Co., Harris Trust Bldg., Chicago, Ill.

Fahnestock Electric Co., 141 East Ave., Long Island City, N. Y.

Frost, Herbert H., 314 W. Superior St., Chicago, Ill.

Giant Clamp Works, 331 W. Madison St., Chicago, Ill.

15c
25c

Effectively Insulated
Weatherproof

PREMO WINDOW LEAD-INS

No Pliers
No Soldering
No Fussing



LENZ GROUND HOGS

PERMANCO MFG. CORP., 1114 DE KALB AVE., BROOKLYN, NEW YORK

Double Insulation Absorbs Strain

LENZ TENSION INSULATORS

Leading
Radio
Ground

PRICE
15¢

CLAMPS, Ground Continued

- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Hastings Electrical Mfg. Co., 366 Broadway New York, N. Y.
- Heinemann Electric Co., Philadelphia, Pa. "Suretite" See advertisement, page 68.
- H & H—see Hart & Hegeman Mfg. Co.
- K-E—see Kirkman Engineering Corp.
- Kirkman Engineering Corp., 492 Broome St., New York, N. Y. "K-E"
- Lenz — see Permanco Mfg. Co.
- Mertz Specialty Co., 206 W. Tenth St., Wilmington, Del. "Saddle"
- Muter Co. Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
- Nifty—see Amoroso Mfg. Co.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Permanco Mfg. Corp., 1114 De Kalb Ave., Brooklyn, N. Y. "Lenz" "Premo" See advertisement, page 33.
- Premo—see Permanco Mfg. Corp.
- Rodale Mfg. Co. 492 Broome St., New York, N. Y.
- Saddle—see Mertz Specialty Co.
- Sherman Mfg. Co., H. B., Battle Creek, Mich.
- Suretite — see Heinemann Electric Co.
- Windman - Goldsmith, Inc., 399 East Ave., Perth Amboy, N. J.
- Zlerick Machine Works, F. R., 6 Howard St., New York, N. Y.

CLAMPS, Machine Screw

- Stevens & Co., 375 Broadway, New York, N. Y. Cataloged on page 186.

CLARIFIERS—

see Amplifiers, Radio Frequency

CLARIFIERS, Output—

see Filters and Clarifiers, Output

CLEANERS, Condenser

- Jones, Howard B., 618 S. Canal St., Chicago, Ill. See advertisement, page 29.

CLEATS, Porcelain

- Cook Pottery Co., Prospect St. & P. R.R., Trenton, N. J.
- Davidson Porcelain Co., East Liverpool, Ohio
- Duggan—see Imperial Porcelain Works
- Fedco — see Federal Porcelain Co.
- Federal Porcelain Co., Carey, Ohio "Fedco"
- Findlay Electric Porcelain Co., Findlay, Ohio
- General Porcelain Co., Camden Ave., S. S., Parkersburg, W. Va.
- Imperial Porcelain Works, Mulberry St. & New York Ave., Trenton, N. J. "Duggan"
- Mogadore Insulator Co., Mogadore, Ohio
- Square D. Co., Detroit, Mich.

CLIP BENDING POSTS—

see Clips, Connecting

CLIPS, Battery—

see Clips, Electrical Test

CLIPS, Connecting

- Fahnestock Electric Co., 141 East Ave., Long Island City, N. Y.
- Hatheway Mfg. Co., Bostwick & Railroad Aves., Bridgeport, Conn.
- Hedden Place Machine Co., 40 Hedden Pl., East Orange, N. J. "HPMCO"
- HPMCO—see Hedden Place Machine Co.

Mucher, John J., 109 Lafayette St., New York, N. Y.

CLIPS, Electrical Test

- Aeolus Corp., 161 Grand St., New York, N. Y.
- Ajax—see Philmore Mfg. Co.
- Apco Mfg. Co., (Radio Division), Providence, R. I. See advertisement, page 105.
- Dusie—see McCorkle-Ensign Co.
- Frankel Connector Co., 177 Hudson St., New York, N. Y.
- Grip-tite—see Kodel Radio Corp.
- Hartung Co., Charles F., 730 E. 61st St., Los Angeles, Cal. "Peerless"
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio.
- Rodale Mfg. Co., 492 Broome St., New York, N. Y. "Grip-tite"
- McCorkle-Ensign Co., 428 Erie St., Elmira, N. Y. "Dusie"
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Morse & Co., Frank W., 289 Congress St., Boston, Mass.
- Mueller Electric Co., 1583 E. 31st St., Cleveland, Ohio
- Peerless—see Hartung Co.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pons, Eugene, 838 Lincoln Ave., Schenectady, N. Y.
- Propp Co., M., 524 Broadway, New York, N. Y.
- Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. "Stasco" See advertisement, page 95.
- Sherman Mfg. Co., H. B., Battle Creek, Mich.
- Stasco — see Sheffield Trimming & Stamping Corp.
- Valley Electric Co., 3157 S. Kingshighway, St. Louis, Mo.
- Waterbury Button Co., Waterbury, Conn. . .
- Webster Electric Co., Racine, Wis.
- Wilkins Electric Mfg. Corp., 52 Oravangum St., White Plains, N. Y.

Majestic Radio Frequency Coils

FOR SET MANUFACTURERS

Being specialists in radio coil winding, we make coils of any type to suit your requirements. Constructed of fine silk covered wire in beautiful fast colors to suit your taste. Our factory facilities permit us to give excellent service, and our prices meet competition.

FOR JOBBERS AND DEALERS

Meet your requirements for radio frequency coils with our basket weave type, pancake type, three circuit tuners, reflex and counterflex coils. These coils are put up in beautiful individual display boxes, with literature and hook-ups pertaining to the circuit. Write for our Jobber proposition today. Dealers, if your jobber cannot supply you, write to us and we will give you the name of the nearest jobber.



MAJESTIC RADIO COIL MFG. CO., 713 Race St., Philadelphia, Pa.

CLIPS, Grid-Leak—

see Holders, Grid-Leak

CLOCK SWITCHES—

see Switches, Automatic Clock

CLOSED CIRCUIT JACKS—

see Jacks, Phone

CLOTH, Emery—

see Paper, Emery

CODE PRACTISERS—

see Transmitters, Automatic Code

CODE TRANSMITTERS—

see Transmitters, Automatic Code

COIL HOLDERS—

see Mountings, Coil

COIL IMPREGNATING MACHINES—

see Machines, Coil Impregnating

COIL MOUNTINGS—

see Mountings, Coil

COIL MOUNTINGS,—

Fan—

see Mountings, Fan Coil

COIL SATURATING MACHINES—

see Machines, Coil Impregnating

COIL SLIDERS—

see Sliders, Tuning Coil

COIL WINDERS—

see Winders, Coil

COIL WINDING FORMS—

see Forms, Coil Winding

COIL WINDING JIGS—

see Jigs, Coil Winding

COIL WINDING MACHINES—

see Machines, Coil Winding

COIL WINDINGS—

see Windings, Coil

COILS, Doughnut—

see Transformers, Tuned Radio Frequency

COILS, Duo-Lateral—

see Coils, Inductance

COILS, Filter

Federal Telephone Mfg. Corp., Buffalo, N. Y.

COILS, Honeycomb—

see Coils, Inductance

COILS, Inductance

Acme Products Co., 107 W. Canton St., Boston, Mass. "A-P"

A-P—see Acme Products Co.

Auman, F. W., 1218 Franklin Ave., Wilkinsburg, Pa.

Bel-Tone Radio Co., 167 Jamaica Ave., Brooklyn N. Y.

Bonza—see Haydon & Haydon

Branston, Chas. A., 813 Main St., Buffalo, N. Y.

Columbia Radio Corp., 155 N. Union St., Chicago, Ill.

✓Coto-Coil Co., Providence, R. I. "Giant Grip" "Cotoco" See advertisement, page 165.

Cotoco—see Coto-Coil Co.

Criss-Cross—see Feri Radio Mfg. Co.

Dalton-Whittier-True Co., 2905 W. Madison St., Chicago, Ill. "Estru"

Dymac—see Electrical Products Mfg. Co.

Eastern Coil Corp., 22 Warren St., New York, N. Y.

✓Eastern Electric & Mfg. Co., Providence, R. I. See advertisement, page 35.

Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"

Estru—see Dalton-Whittier-True Co.

Feri Radio Mfg. Co., 1167 Bedford Ave., Brooklyn, N. Y. "Criss-Cross"

General Radio Co., 11 Windsor St., Cambridge, Mass.

Giant Grip—see Coto-Coil Co.

Giblin—see Standard Radio & Electric Co.

Giblin-Remler—see Remler Radio Mfg. Co.

Goodman, L. W., 436 Forrest Ave., Drexel Hill, Pa.

Haydon & Haydon, 73 Warren St., New York, N. Y. "Bonza"

Hilco—see Hill Mfg. Co.

Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco"

Jalisco Mfg. Co., 229 E. Hennepin Ave., Minneapolis, Minn.

Klentz Radio Co., 2324 N. Sawyer Ave., Chicago, Ill.

Lamm, Arthur J., Stephentown, N. Y.

National Radio Co., Marshall, Minn.

MANUFACTURERS of SETS and KITS

We specialize in high grade Zig Zag inductances for all purposes. Our high speed machine equipment permits a wide range of coil specifications. Call on us for your requirements.



Jobbers and Dealers

Our new line of three coil units, radio frequency transformers and assembled inductances adaptable to the new and popular circuits is ready. "HEX-CELL" makes "ZIG ZAG" coils the best.

Write for bulletins and prices

Eastern Electric & Mfg. Co.
Providence, R. I.

Licensed Manufacturers of Zig Zag Coils.

DUDLO

Transformer Coils and Magnet Wire

In Your Set
Give Assurance of Best Results

DUDLO COILS wound exactly to your own specifications, of finest materials, by experienced workmen.

Use DUDLO Busbar, Litz Wire AERIAL WIRE

Solid, Stranded, Braided
Bare Copper, Tinned, Enameled

Send Us Your Specifications.
Samples Furnished on Request

DUDLO MFG. CORP.
Fort Wayne, Ind.

Eastern Office
and
Warehouse
Newark, N. J.

Western Representative
A. S. LINDSTROM CO.
274 Brannon St.
SAN FRANCISCO, CAL.

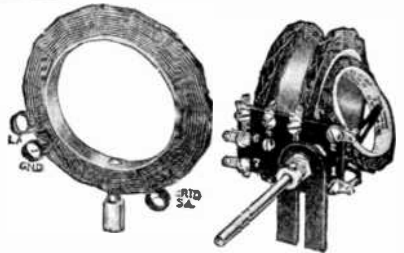
Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

*The Radio Trade
Directory*

—without charge, of course.

**The Radio Trade
Directory**



Coil Set No. 24 for Browning-Drake Circuit

SICKLES DIAMOND-WEAVE COILS

(Patented Aug. 21, 1923)

For Browning-Drake, Roberts, Craig, and Hoyt Circuits

Sickles Coils for the famous Browning-Drake Circuit are the latest Sickles achievement in efficient design for a particular use. They are priced at \$7.50 a set. When ordering specify set No. 24.

Coil set No. 20, at \$4.50, is for use specifically with the New Reflex Receiver designed by Albert G. Craig, using the Sodian detector.

Coil set No. 18A for the Roberts Circuit at \$8.00, coils for the Hoyt Circuit at \$10.00 a set, for the Knockout Reflex Circuit at \$1.00 a pair, the Tuned Radio Frequency coils at \$2.00 each and Coils for the Acme Reflex circuit at \$4.50 a set are other standard Sickles Coils. We manufacture also for manufacturers' special requirements.

Send for descriptive catalog

The F. W. Sickles Co.

142 Union St.,

Springfield, Mass.

**COILS, Inductance
Continued**

- Nazeley Co., J. 571 Hudson St., New York, N. Y. "Turney"
- Nolte Mfg. Co., 61 Gautier Ave., Jersey City, N. J.
- ✓ Paucet Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
- Perfection Radio Mfg. Co., 24th & Race Sts., Philadelphia, Pa.
- Ray-Coils—see Schoonhaven R. C.
- Ray-De-Artcraft Mfg. Co., 12 E. Central Ave., Redlands, Cal.
- Real Equity Shop, 1331 N. Wells St., Chicago, Ill.
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal. "Giblin-Remler"
- Schoonhaven, R. C., 310 Seneca St., Elgin, Ill. "Ray-Coils"
- ✓ Sickles Co., F. W. 142 Union St., Springfield, Mass. See advertisement, page 35.
- ✓ Silver-Marshall, 102 S. Wabash Ave., Chicago, Ill. "S-M" See advertisement, page 164.
- S-M — see Silver-Marshall
- Stafford Radio Co., 29 Newberne St., Medford Hillside, Mass.
- Standard Radio & Electric Co., 90 Bayley St., Pawtucket, R. I. "Giblin"
- ✓ Tel-radio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- Transcontinental Coil & Winding Co., 241 Market St., Newark, N. J.
- Turney—see Nazeley Co.
- Victoreen—see Walker Co.
- Walker Co., George W., 6524 Carnegie Ave., Cleveland, Ohio. "Victoreen"

COILS, Oscillator**Coupling—**

see Couplers, Oscillator

COILS, Radio**Frequency Choke**

- Filtiformers — see Precise Mfg. Corp.
- Precise Mfg. Corp., 254 Mill St., Rochester, N. Y. "Filtiformers"
- Radio Corp. of America, 233 Broadway, New York, N. Y.

COILS, Slide Tuning

- Bunnell & Co., J. H., 32 Park Pl., New York, N. Y.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

COILS, Toroidal—

see Transformers, Tuned Radio Frequency

**COILS, Tuned Radio
Frequency—**

see Transformers, Tuned Radio Frequency

COILS, Tuning—

see Coils, Inductance also Tuners and Tuning Coils

COILS, Wireless Spark

Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. "Mascot"

Mascot—see Bunnell & Co.

**COMBINATION
PLIERS—**

see Pliers, Combination

**COMBINATION
RADIO-PHONO-
GRAPH SETS—**

see Sets, Combination Radio-Phonograph

**COMBINED CHARGER
BATTERIES—**

see Batteries, Combined Charger and Storage

**COMBINED STORAGE
BATTERIES—**

see Batteries, Combined Charger and Storage

**COMPOSITION
BINDING POSTS—**

see Posts, Composition

**COMPOSITION
DIALS—**

see Dials, Rubber also Insulation, Molders of

**COMPOSITION
HORNS—**

see Horns

**COMPOSITION INSU-
LATING, Molders**

of— see Insulation, Molders of

**COMPOSITION
INSULATION—**

see Insulation, Composition

**COMPOSITION
INSULATORS—**

see Insulators, Composition also Insulation, Molders of

**COMPOSITION
KNOBS—**

see Dials, Rubber also Insulation, Molders of

**COMPOSITION MOLD-
ING MACHINES—**

see Machines, Plastic Mold- ing

**COMPOSITION
SOCKETS—**

see Sockets, Vacuum Tube

**COMPOSITION
VARIOMETERS—**

see Variometers

COMPOUNDS,**Battery Sealing**

American DI-Electrics, Ltd., 466 E. Seventh St., Brooklyn, N. Y.

Barber Asphalt Co., Land Title Bldg., Philadelphia, Pa. "Genasco"

Dicks-Pontius Co., Dayton, Ohio

Dielectric Mfg. Co., Vandeventer & Duncan Aves., St. Louis, Mo.

Genasco—see Barber Asphalt Co.

Insulative Co., 1 Broadway, New York, N. Y.

Irrington Varnish & Insulator Co., Tremont Terrace, Irvington, N. J.

Mitchell-Rand Mfg. Co., 18 Vesey St., New York, N. Y.

Ruberoid Co., 95 Madison Ave., New York, N. Y.

Standard Asphalt & Rubber Co., 208 S. La Salle St., Chicago, Ill.

COMPOUNDS,**Impregnating**

Dielectric Mfg. Co., Vandeventer & Duncan Aves., St. Louis, Mo.

Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

CONDENSER CLEANERS—
see Cleaners

CONDENSER DIALS—
see Dials, Glass
also Dials, Metal
also Dials, Rubber
also Dials, Vernier

CONDENSER ENDS—
see Insulation, Molders of

CONDENSERS, Adjustable

St. James Laboratories, 845 W. Washington Blvd., Chicago, Ill.
Turn-It Radio Sales, Inc., 71 Murray St., New York, N. Y.

CONDENSERS, Air—
see Co.-condensers, Variable
also Condensers, Variable Vernier

CONDENSERS, Filter
American Radio & Research Corp., 205 College Ave., Medford Hillside, Mass. "Amrad-Mershon"

Amrad-Mershon—see American Radio & Research Corp.

Federal Telephone Mfg. Corp., Buffalo, N. Y.

CONDENSERS, Fixed
Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.

Airek Co., 797 Greenwich St., New York, N. Y.

American Electric Co., 6401 S. State St., Chicago, Ill.

Amplex Instrument Laboratories, 88 W. Broadway, New York, N. Y. "Grid-Denser"

Bestone—see Hyman & Co.

Boetter Mfg. Co., A. V., 612 S. Canal St., Chicago, Ill.

Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.

Danziger-Jones, Inc., Dept. D, 25 Waverly Pl., New York, N. Y. "Telokon" See advertisement, page 118.

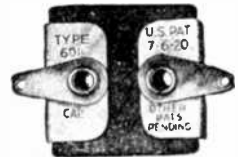
De Jur Products Co., 199 Lafayette St., New York, N. Y.

Doran & Sons, James Co., 150 Chestnut St., Providence, R. I.

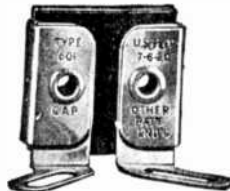
fixed Condensers



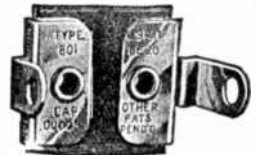
Type 640



Type 601



Type 601-T



Type 601-G

Dubilier Micadons are found in 9 out of 10 sets. They are the standard fixed condensers of radio—thoroughly efficient, easy to install and available in accurately tested and permanent capacities.

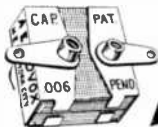
Dubilier is the pioneer manufacturer of condensers for all needs. Today as in the past, the Dubilier research laboratories stand ready to meet new condenser problems as they arise—and to solve them efficiently.

Bronx Boulevard and 238th St.

Dubilier

CONDENSER AND RADIO CORPORATION

ACCURATE NOISELESS

Capacities
0001 to 01

AEROVOX

TESTED MICA
FIXED CONDENSERS

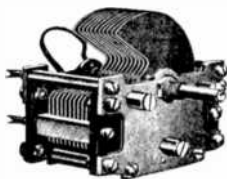
Approved by RadioNews & Popular Radio

~ Used by over 100 set manufacturers ~

Write for booklet containing specimen letters - -

Aerovox Wireless Corp. ~ 489-93 Broome St., N.Y.

BY-PASS CONDENSERS FROM 0.5 to 5 MFD

SCIENTIFIC
LOW LOSS

Radio Apparatus used as Standard Equipment by the reputable Set Manufacturers. Low Loss Condensers. All Capacities. Rheostats and Potentiometers—All Sizes. Prices exceptionally low.

UNITED SCIENTIFIC LABORATORIES, INC.

80 Fourth Ave., New York, N. Y.

CONDENSERS, Fixed
Continued

✓Dubilier Condenser & Radio Corp., Bronx Blvd. & 238th St., New York, N. Y. "Micadons" See advertisement, page 37.

Electrad, Inc., 428 Broadway, New York, N. Y.

Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"

Erla—see Electrical Research Laboratories

Euracho — see European Radio Co.

European Radio Co., 1342 E. 22d St., Brooklyn, N. Y. "Euracho"

Federal Telephone Mfg. Corp., Buffalo, N. Y.

Forbestos Co., 110 W. 42d St., New York, N. Y.

Forman & Co., 368 Greenwich St., New York, N. Y. "Un-X-Ld"

Franklin Radio Mfg. Co., Ben. 2652 Superior Ave., Cleveland, Ohio "Micadenser"

Freshman Co., Chas., 240 W. 40th St., New York, N. Y. General Instrument Corp., 423 Broome St., New York, N. Y. "Min-ute"

Gotham Radio Corp., 50 Park Pl., New York, N. Y.

Grid-Denser—see Amplex Instrument Laboratories

Haleyon Insulator Co., 168 Front St., N. w York, N. Y.

Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

Hedden Place Machine Co., 40 Hedden Pl., East Orange, N. J. "HPMCO"

H & H—see Hart & Hegeman Mfg. Co.

Hilco Precision — see Hill Mfg. Co.

Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco Precision"

Howard Radio Co., 461 E. Ohio St., Chicago, Ill.

HPMCO—see Hedden Place Machine Co.

Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"

Illini Electric Co., 605 N. Walnut St., Champaign, Ill.

Kapaciton Co., 26 Elliott Pl., Jersey City, N. J.

✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

✓Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130 A.

Kondenser-Kit—see Peerless Radio Corp.

Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Master Radio Instrument Co., 153 Wright St., Newark, N. J. "Masto"

Masto—see Master Radio Instrument Co.

Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Mazdadenser"

Mazdadenser—see Mazda Radio Mfg. Co.

Meirowsky Bros., 11 McPherson Pl., Jersey City, N. J.

Micadenser — see Franklin Radio Mfg. Co.

Micadons—see Dubilier Condenser & Radio Corp.

Micamold Radio Corp., 1087 Flushing Ave., Brooklyn, N. Y.

Min-ute—see General Instrument Corp.

✓Muter Co., Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, Page 50.

National Electric Condenser Co., New Haven, Conn.

New York Coil Co., 338 Pearl St., New York, N. Y.

Parkin Mfg. Co., Grand Ave., San Rafael, Cal.

✓Peerless Radio Corp., Newton Lower Falls, Mass. "Kondenser-Kit" See advertisement, page 150.

Poly—see Polymet Mfg. Corp.

✓Polymet Mfg. Corp., 599-601 Broadway, New York, N. Y. "Poly" See advertisement, page 109.

Potter Mfg. Co., Chicago, Ill.

Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.

Radio Receptor Co., 106 Seventh Ave., New York, N. Y. "Receptrad"

Receptrad—see Radio Receptor Co.

Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.

Rusonite Products Corp., 15 Park Row, New York, N. Y.

Sangamo Electric Co., Springfield, Ill.

Schindler, Chas., 1401 W. Delaware Ave., Toledo, Ohio

Spittdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.

Stafford Radio Co., 29 Newberne St., Medford Hills, Mass.

Steinite Laboratories, Radio Bldg., Atchison, Kans.

Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio

Telekon—see Danziger-Jones, Inc.

Tridot Electric Co., 16 Hudson St., New York, N. Y.

Un-X-Ld—see Forman & Co.

X-Luorio—see X-L Radio Laboratories

X-L Radio Laboratories, 2424 Lincoln Ave., Chicago, Ill. "X-Luorio"

Yaxley Mfg. Co., 217 N. Desplains St., Chicago, Ill.

CONDENSERS, Geared Vernier—

see Condensers, Variable Vernier

CONDENSERS, Grid—

see Condensers, Fixed

CONDENSERS, Mica—

see Condensers, Fixed

CONDENSERS, Neutralizing

- Condenserette—see Gardiner & Hepburn
- Davidson Radio Corp. 222 Fulton St., New York, N. Y. "Rasla"
- Gardiner & Hepburn, 21st St. & Washington Ave., Philadelphia, Pa. "Condenserette"
- Mar-Co — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Rasla—see Davidson Radio Corp.
- Read & Co., J. M., 3289 Washington Blvd., Cleveland, Ohio
- Reliable Parts Mfg. Co., 2819 Prospect Ave., Cleveland, Ohio
- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
- X-L Radio Laboratories, 2424 Lincoln Ave, Chicago, Ill. "X-Luario"
- X-Luario — see X-L Radio Laboratories

CONDENSERS, Variable

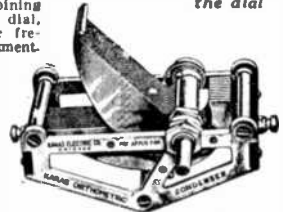
- A. C. H.—see Haydon Radio & Research Co.
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- ✓Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon" See advertisement, page 144.
- Admiral Electric Corp., Paynter Ave. & Blvd., Long Island City, N. Y.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- ✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Nasald" Cataloged on page 137.

KARAS Orthometric Condensers

—positively eliminate any crowding whatever of stations on any part of the dial

This wonderful, new, scientifically designed condenser positively separates all adjoining wave-lengths by equal distances on the dial, giving full benefit of the 10 kilocycle frequency separation fixed by the government.

This means marvelous simplicity in tuning—no crowding of over half the allotted wave-lengths into the first 25 points on the dial. KDKA comes in where it belongs—at 53—leaving lots of room for the 52 wave-lengths that must come in below it. Made entirely of brass—die stamped—every joint soldered—grounded frame and rotor—adjustable cone bearings. Write—



Karas Electric Co., 4040 N. Rockwell St., Chicago

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

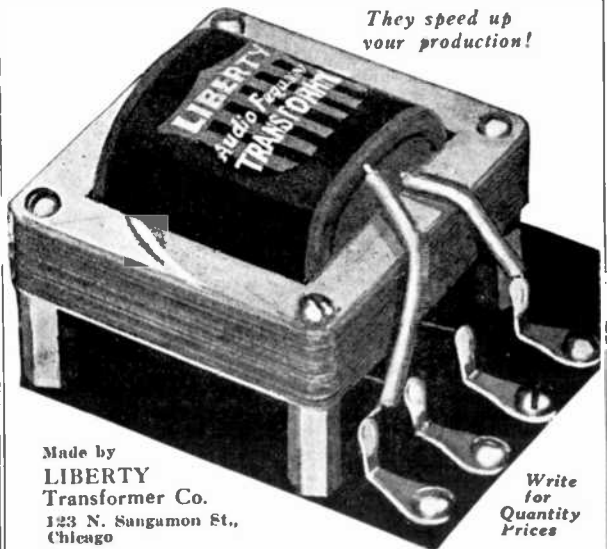
—without charge, of course.

THE RADIO TRADE DIRECTORY

LIBERTY SPECIAL 2-to-1 Ratio Audio

Frequency Transformers are superior by actual test and adaptable to any set. Shown actual size. Note how compact; can be mounted either with brackets or studs, on base or panel or at any angle.

They speed up your production!

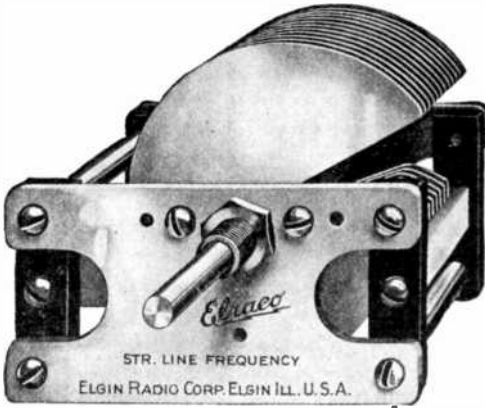


Made by
LIBERTY Transformer Co.
123 N. Sangamon St., Chicago

Write for Quantity Prices

SUPREME!

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“AT A REASONABLE PRICE”
Small in Size—Light in Weight



HIGHEST EFFICIENCY



Elraco

THE WORLD'S FINEST CONDENSER

When you use The New “ELRACO” Condenser there is no crowding of low wave stations. Due to special construction and assembly methods, the following is the result.

**More Volume—Better Tone and
Easier Tuning “At A Reasonable Price”**

No.	Plates		PRICE
25	11	.00025 M. F. Capacity.....	\$2.75
35	17	.00035 M. F. Capacity.....	2.85
50	23	.0005 M. F. Capacity.....	3.00

“ELRACO” Condensers are now in their fourth successful year and are built by folks who know how and who have been producing precision work for over 25 years. Our reputation is your guarantee. A real proposition to set manufacturers.

ELGIN RADIO CORPORATION

65-67 North State St., ELGIN, ILLINOIS

Radio Division of

THE ELGIN TOOL WORKS, Inc., Elgin, Ill., U. S. A

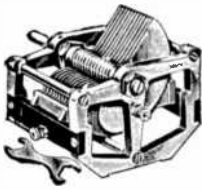
“Your Condenser Makes a Difference”

CONDENSERS, Variable Continued

- Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis. “Bradleydenser”
- Ambassador Sales Co., 108 Greenwich St., New York, N. Y.
- American — see Pearl Radio Corp.
- American Interstate Radio Service, 183 Greenwich St., New York, N. Y.
- American Specialty Co., 168 Holland Ave., Bridgeport, Conn. “Kelford”
- Andrea, F. A. D., 1681 Jerome Ave., New York, N. Y., “Fada”
- A R C—see Automatic Radio Mfg. Co.
- Art Craft Mfg. Co., 22 Warren St., New York, N. Y.
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Audiola Radio Co., 430 S. Green St., Chicago, Ill.
- Automatic Radio Mfg. Co., 28 Cross St., Boston, Mass. “A R C” See advertisement, page 123.
- Barrett & Paden, 1314 Sedgwick St., Chicago, Ill. “B & P”
- Beacon Radio Mfg. Co., 100 S. Third St., Brooklyn, N. Y.
- Reeko—see Bunnell & Co.
- Benjamin Electric Mfg. Co., 128 S. Sangamon St., Chicago, Ill.
- Bestone—see Hyman & Co.
- Big Three Radio Corp., 16 Hudson St., New York, N. Y.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.
- B. & P.—see Barrett & Paden
- Bradleydenser — see Allen-Bradley Co.
- Breco—see Bronx Radio Equipment Co.
- Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. “B-T” See advertisements, pages 41, 53, 117 and 165.
- Brockway Laboratories Co., Toledo Factories Bldg., Toledo, Ohio
- Bronx Radio Equipment Co., 687 Courtland Ave., New York, N. Y. “Breco”
- Brook-Rad Products Co., 577 Myrtle Ave., Brooklyn, N. Y.
- B. T.—see Bremer-Tully Mfg. Co.
- Buell Mfg. Co., 2975 Cottage Grove Ave., Chicago, Ill.
- Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. “Dandy” “Beeko”
- Caldbeck Tool & Mfg. Co., Des Moines, Iowa “Demcal”
- Cambled Radio Mfg. Co., 807 Harrison St., Oakland, Cal.
- Cardwell Mfg. Corp., Allen D., 81 Prospect St., Brooklyn, N. Y.
- Certified—see Radio Condenser Co
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.

B-T VARIABLE CONDENSERS

Built to Last a Lifetime



Low-loss, die cast aluminum construction. The famous B-T "Lifetime" Bearing, quickly adjustable without impairing plate alignment. Insulation pure Redmanol. Play safe with your trade. Sell condensers that are backed by an experienced manufacturer with an unqualified guarantee.

"If you don't find it better send it back."

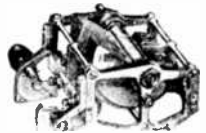
Descriptive literature and prices on request.

Straight Line Wave Length

Type L-7 .000125 M. F.
Type L-13 .00025 M. F.
Type L-17 .00035 M. F.
Type L-27 .005 M. F.

Straight Line Frequency

Type SLF-13 .00025 M. F.
Type SLF-17 .00035 M. F.



Tandem Condensers with exclusive B-T balancing arrangement.

Straight Line Wave Length
Type L.D.-13 .00025 M. F.
Type L.D.-17 .00035 M. F.

BREMER-TULLY MFG. CO., 532 So. Canal St., Chicago

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

—without charge, of course.

THE RADIO TRADE DIRECTORY

for set manufacturers

Variable Air Dielectric Condensers

made by the instrument house of
THOMPSON-LEVERING CO.
Philadelphia, Pa.

Unlimited facilities for design, development and quantity production.

Efficient service to set manufacturers, quality of product and dependable schedule of deliveries.

To set manufacturers seeking a reliable source of supply we will be glad to have you send us your specifications and requirements or we will send you one of our engineers.

"Makers of Highest Grade Electrical Testing Instruments for Over Twenty Years"

Thompson-Levering Co., Inc.
351 to 361 North 57th Street,
Philadelphia, Pa., U. S. A.



RATHBUN CAPACITY CONDENSER



RATHBUN ST. LINE FREQUENCY CONVERTER

AN IDEAL working combination is that of Rathbun Condensers with the Rathbun Straight Line Frequency Converter—and the means, at the same time, of a superlative radio performance.

These Condensers are light, compact, efficient—they insure the efficiency and reliability of the receiver. The Converter facilitates the simplest type of tuning, thereby establishing a new high standard of selectivity and logging range.

This is a combination adaptable to sets in use and to new models—and is equally economical on either.

Dealers—Write

RATHBUN MANUFACTURING CO., Inc.
Jamestown, New York

RATHBUN
RADIO APPARATUS
RATHBUN

CONDENSERS, Variable Continued

- ✓Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.
- Connecticut Telephone & Electric Co., 70 Britannia St., Meriden, Conn.
- Conrad Bros., 1609 Cooper Ave., Evergreen, L. I., N. Y.
- ✓Coto-Coll Co., Providence, R. I. See advertisement, page 165.
- Crofoot—see Premier Electric Co.
- Cruver Mfg. Co., 2456 Jackson Blvd., Chicago, Ill.
- “Proudfoot”
- Dandy—see Bunnell & Co.
- Danodon—see Ipsen, Henrik
- Day-Fan—see Dayton Fan & Motor Co.
- Dayton Fan & Motor Co., Dayton, Ohio “Day-Fan”
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- De Jur Products Co., 139 Lafayette St., New York, N. Y.
- De Luxe Electric Co., 1152 Bedford Ave., Brooklyn, N. Y.
- Demcal—see Caldbeck Tool & Mfg. Co.
- Die-Kast Condenser Corp., 25 W. 43d St., New York, N. Y. “Microloss”
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- ✓Dubilier Condenser & Radio Corp., Bronx Blvd. & 238th St., New York, N. Y. “Varladon” See advertisement, page 37.
- ✓Duplex Condenser & Radio Corp., 26 Flatbush Ave., Ext. Brooklyn, N. Y. See advertisement, page 43.
- D. X. L. Radio Corp., 5769 Stanton Ave., Detroit, Mich.
- Dymac—see Electrical Products Mfg. Co.
- Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I., “Dymac”
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. “Erla”
- ✓Elgin Radio Corp., 65-67 N. State St., Elgin, Ill. “Eiraco” Cataloged on page 40.
- Eloc Radio Corp., 88 E. Kinney St., Newark, N. J.
- Elraco—see Elgin Radio Corp.
- Ensign—see Sanders, Carleton
- Erla—See Electrical Research Laboratories
- Fada—see Andrea, F. A. D.
- Faradon—see Wireless Specialty Apparatus Co.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Ferbend Electric Co., 19 E. South Water St., Chicago, Ill. “Maxmin”
- Fett & Kimmel Co., Bluffton, Ohio
- Forman & Co., 366 Greenwich St., New York, N. Y. “Un-X-Ld”
- Framingham Co., 228 Howard St., Framingham, Mass.
- Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
- Freeport Metal Products Mfg. Co., 71 Olive Blvd., Freeport, L. I., N. Y.
- Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
- Furnell Mfg. Corp., 889 Broad St., Newark, N. J.
- Gardner & Hepburn, 21st St. & Washington Ave., Philadelphia, Pa. “Quaker”
- General Instrument Corp., 423 Broome St., New York, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Gillilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Goyer Co., Bank & Valley Sts., Willimantic, Conn. “Windham”
- Gray Brothers, Plano, Ill.
- Green Seal—see Air-Way Electric Appliance Corp.
- Grosser Sons Co., B., 55 Sudbury St., Boston, Mass. “Nol-Los”
- ✓Halg & Halg Mfg. Co., 25 S. Water St., Rochester, N. Y. “Stratline” Cataloged on page 45.
- Harkness Radio Corp., Kenneth, 727 Frelinghuysen Ave., Newark, N. J.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. “H & H”
- Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio
- Hayden Radio & Research Co., A. C., Brockton, Mass. “A.C.H.”
- Haynes-Griffin Radio Service—see Tested Radio Products
- Heath Radio & Electric Mfg. Co., 207 First St., Newark, N. J. “Radiant”
- H & H—see Hart & Hegeman Mfg. Co.
- Hyperdyne—see Indiana Mfg. & Electric Co.
- Ioban Receiver Holder Corp., 516 W. 41st St., New York, N. Y.
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Hudson Terminal Radio & Electric Co., 30 Church St., New York, N. Y.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. “Bestone”
- Hyperdyne—see Indiana Mfg. & Electric Co.
- Illinois—see Johnson, Geo. F.
- Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J. “Puradyne”
- Indiana Mfg. & Electric Co., 30th & Adams Sts., Marion, Ind. “Hyperdyne”
- Ipsen, Henrik, 69 Liberty St., Brooklyn, N. Y. “Variogold” “Danodon” “Solow”
- Johnson, Geo. F., 625 Black Ave., Springfield, Ill. “Illinois”
- Kantshort—see Sherman Radio Distributing Co.
- ✓Karas Electric Co., 4040 N. Rockwell St., Chicago, Ill. See advertisement, page 89.
- K. B. Mfg. Co., 222 Elghth St., San Francisco, Cal.
- Kelford—see American Specialty Co.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See inside Back Cover.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio
- Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.
- Lombardi Radio Mfg. Co., 71 Minerva St., Derby, Conn.
- Lubree Mfg. Co., 210 Canal St., New York, N. Y.
- McCorkle-Ensign Co., 428 Erie St., Elmira, N. Y. “Red Jacket”
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. “Red Seal”
- Mar-Co—see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. “Mar-Co” See advertisement, page 69.
- Maxmin—see Ferbend Electric Co.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio, “Muzada”
- Meco—see Metropolitan Electric Co.
- Metric Instrument Co., 121 Wooster St., New York, N. Y.
- Metropolitan Electric Co., Fine Arts Bldg., Des Moines, Iowa “Meco”
- Microloss—see Die-Cast Condenser Corp.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. “M. R. L.”
- More-Tone Radio Co., 361 E. Ohio St., Chicago, Ill.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Morton & Borks, Stockton, Cal.
- M. R. L.—see Montrose Radio Laboratories
- Mueller Instrument Co., 206 Ashley St., Hartford, Conn.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- Muzada—see Mazda Radio Mfg. Co.
- Na-ald—see Alden Mfg. Co.
- National Chelsea Radio Corp., 739 Boylston St., Boston, Mass.
- National Radio Co., Marshall, Minn.
- Neutrowound Radio Mfg. Co., 1721 Prairie Ave., Chicago, Ill. “S-L-F”
- New York Coil Co., 338 Pearl St., New York, N. Y.
- Nol-Los—see Grosser Sons Co.
- Nu-Tone—see Perfection Machine & Mfg. Works
- ✓Pacnet Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
- Paragon—see Adams Morgan Co.
- Pearl Radio Corp., 1033 Race St., Philadelphia, Pa. “Pearco” “American”
- Pearlco—see Pearl Radio Corp.
- Perfection Machine & Mfg. Works, 314-22 Market St., Newark, N. J. “Nu-Tone”

CHELTEN MIDGETS



are *Standard*
in low capacity
**Variable
Condensers**

- No. 850 Bakelite Insulation—Vernier
(13 plates)
Capacity .000005-.000027.....\$1.50
- No. 855 Low Loss, Vernier
(9 plates)
Capacity .000004-.000025.....\$1.50
- No. 865 Microfarad Junior
(9 plates)

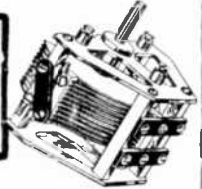
Low Loss Variable Neutralizing Condenser.
Capacity .000004 M.F.-.000020 M.F. \$1.75
There is a Chelten radio instrument for every circuit: Low Loss Variable Condensers—Jacks—Rheostats—Sockets.

JOBBERS—Write for full information and prices.

CHELTEN ELECTRIC CO.
Philadelphia, Pa.

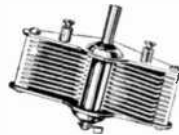
DUPLEX

DUPLEX STANDARD
Made to Bureau of Standards specifications. All standard capacities. Plain and vernier.



DUPLEX MATCHED CONDENSERS
Specially tested, matched and packed in sealed cartons of 3. For uniform dial settings and simplified logging.

DUPLEX CONDENSER & RADIO CORP.
26 Flatbush Ave. Extension, Brooklyn, N. Y.



DUPLEX JUNIOR
A good, low-priced condenser. Die-cast rotor. Bakelite insulation. Many other features

CONDENSERS

CONDENSERS, Variable Continued

- Phenix Radio Corp., 114 E. 25th St., New York, N. Y.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pilot Electric Mfg. Co., 323 Berry St., Brooklyn, N. Y.
- Potter Tool & Machine Works, 79 E. 130th St., New York, N. Y.
- Precision Machine Co., 404 W. Tenth St., Indianapolis, Ind.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Crofoot"
- Proudfoot—see Cruver Mfg. Co.
- Puradyne—see Imperial Electric Mfg. Co.
- Quaker—see Gardiner & Hepburn
- Radiant—see Heath Radio & Electric Mfg. Co.
- Radio Condenser Co., Thorne & Copewood Sts., Camden, N. J. "Certified"
- Radio Industries Corp., 131 Duane St., New York, N. Y. "Rico"
- Radio Products Co., Westport, Conn. "R.P.C."
- Rathbun Mfg. Co., Jamestown, N. Y. See advertisement, page 41.
- Raven Radio, Inc., Cobleskill, N. Y.
- Red Jacket—see McCorkle Ensign Co.
- Red Jacket—see McCorkle-Electrical Supply Co.

- Reliance Die & Stamping Co., 501 N. La Salle St., Chicago, Ill.
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- Rico—see Radio Industries Corp.
- Rosenbloom Co., Wm., 11 Deering Rd., Mattapan, Mass. "W. R." See advertisement, page 117.
- R.P.C.—see Radio Products Co.
- Sanders, Carleton, Mishawaka, Ind. "Ensign"
- Shelbyville Radio Parts Mfg. Co., 809 S. Harrison St., Shelbyville, Ind.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Silver-Marshall, 102 S. Wabash Ave., Chicago, Ill. "R-M" See advertisement, page 164.
- S-L-F—see Neutrowound Radio Mfg. Co.
- S-M—see Silver-Marshall
- Solow—see Ipsen, Henrik
- Stafford Radio Co., 29 Newberne St., Medford Hillside, Mass.
- Steinle Laboratories, Radio Bldg., Atchison, Kans.
- Stern & Co., 308 Asylum St., Hartford, Conn.
- Straitline—see Haig & Haig Mfg. Co.
- Strand Electrical Apparatus, 170 Pleasant St., Walden, Mass.
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.

Stuckeman Bros., 204 Warrington Ave., Pittsburgh, Pa.

- Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Thompson-Levering Co., 351-61 N. 57th St., Philadelphia, Pa. See advertisement, page 41.
- Trans-Atlantic Radio Products Corp., 117 E. 24th St., New York, N. Y.
- Triangle Atlantic Corp., 349 Adams St., Brooklyn, N. Y.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio.
- United Scientific Laboratories, Inc., 80 Fourth Ave., New York, N. Y. See advertisement, page 38.
- U. S. Tool Co., Ampere, N. J.
- Un-X-Ld—see Forman & Co.
- Variadon—see Dublier Condenser & Radio Corp.
- Vario-Gold—see Ipsen, Henrik
- Vesco Radio Co., 6428 E. 14th St., Oakland, Cal.
- Wade Mfg. Co., 1819 Broadway, New York, N. Y.
- Walnut Electric Mfg. Co., 308 Green St., Chicago, Ill.
- Waltham Radio Co., 53 Moody St., Waltham, Mass.

CONDENSERS, Variable Continued

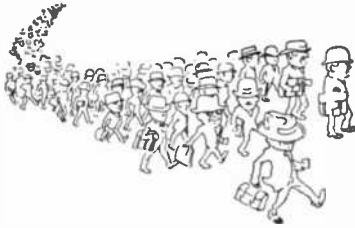
- ✓Warner Brothers Co., Metal Dept., Bridgeport, Conn. See advertisement, page 113.
- Warren Radio Corp., 52 Vanderbilt Ave., New York, N. Y.
- Waterbury Button Co., Waterbury, Conn.
- Westwre Co., 283 Elm St., Westfield, Mass.
- White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
- Windham—see Goyer Co.
- Wireless Radio Corp., 182 Lafayette St., New York, N. Y.
- Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.
- Wireless Specialty Apparatus Co., 76 Atherton St., (Jamaica Plain), Boston, Mass. "Faradon"
- W. R.—see Rosenbloom Co.
- ✓Wright Radio Co., 144 Exchange St., Rockland, Mass. See advertisement, page 95.

CONDENSERS, Variable Vernier

- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- Airophone—see Bowman & Co.
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- ✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Na-aid" Cataloged on page 137.
- American—see Pearl Radio Corp.
- American Brand Corp., 8 W. Park St., Newark, N. J.
- Amsco Products Inc., 416 Broome St., New York, N. Y.
- Beacon Radio Mfg. Co., 100 S. Third St., Brooklyn, N. Y.
- Bestone—see Hyman & Co.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Bowman & Co., A. W., Cambridge, Mass. "Airophone"
- ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B-T" See advertisements, pages 41, 43, 117 and 165.
- Bruno Radio Corp., 221 Fulton St., New York, N. Y.
- B. T.—see Bremer-Tully Mfg. Co.
- Buell Mfg. Co., 2975 Cottage Grove Ave., Chicago, Ill.
- Caldbeck Tool & Mfg. Co., Des Moines, Iowa "Demcal"
- Certified—see Radio Condenser Co.
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.
- ✓Chelton Electric Co., Philadelphia, Pa. "Midjet" "Radioscope." See advertisement, page 43.
- ✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.
- Counterdon—see Harkness Radio Corp.

- Crofoot—see Premier Electric Co.
- Cruver Mfg. Co., 2455 Jackson Blvd., Chicago, Ill. "Proudfoot"
- Dalton-Whittier-True Co., 2905 W. Madison St., Chicago, Ill. "Estru"
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Demcal—see Caldbeck Tool & Mfg. Co.
- ✓Duplex Condenser & Radio Corp., 26 Flatbush Ave., Ext., Brooklyn, N. Y. See advertisement, page 43.
- ✓Elgin Radio Corp., 65-67 N. State St., Elgin, Ill. "El-raco" Cataloged on page 40.
- Elraco—see Elgin Radio Corp.
- Estru—see Dalton-Whittier-True Co.
- Federal Telephone Mfg. Corp., Buffalo N. Y.
- Fett & Kimmel Co., Bluffton, Ohio
- Framingham Co., 228 Howard St., Framingham, Mass.
- Gardiner & Hepburn, 21st St. & Washington Ave., Philadelphia, Pa.
- General Instrument Corp., 423 Broome St., New York, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Hammarlund Mfg. Co., 424 W. 33d St., New York, N. Y.
- Harkness Radio Corp., Kenneth, 727 Frelinghuysen Ave., Newark, N. J. "Counterdon"
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Harvey & Walton Mfg. Co., 32 E. Front St., Cincinnati, Ohio
- Haynes-Griffin Radio Service—see Tested Radio Products.
- Heath Radio & Electric Mfg. Co., 207 First St., Newark, N. J. "Radiant"
- H & H—see Hart & Hegeman Mfg. Co.
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- ✓Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"
- Mar-Co—see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Midjet—see Chelton Electric Co.
- Mignon Industries & Export Co.—see Niagara Sales Corp.

- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
- M. R. L.—see Montrose Radio Laboratories.
- Na-aid—see Alden Mfg. Co.
- National Co., 110 Brookline St., Cambridge, Mass.
- Neilside—see Stag Sales Corp.
- Nelson Tool Co.—see Stag Sales Corp.
- New York Coll Co., 338 Pearl St., New York, N. Y.
- Niagara Sales Corp., 3-5 Waverly Pl., New York, N. Y. (Sole Distributors for Mignon Industries & Export Co., Rochester, N. Y.)
- Nu-Tone—see Perfection Machine & Mfg. Works.
- Ohio—see Harvey & Walton Mfg. Co.
- Operadio Corp., 8 S. Dearborn St., Chicago, Ill.
- Pearl Radio Corp., 1033 Race St., Philadelphia, Pa. "Pearlco" American
- Pearlco—see Pearl Radio Corp.
- Peerless—see United Radio Corp.
- Perfection Machine & Mfg. Works, 314 Market St., Newark, N. J. "Nu-tone"
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pilot Electric Mfg. Co., 323 Berry St., Brooklyn, N. Y.
- Precise Mfg. Corp., 254 Mill St., Rochester, N. Y.
- Preferred Radio Products Corp., 408 E. 93d St., New York, N. Y.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Crofoot"
- Proudfoot—see Cruver Mfg. Co.
- Radiant—see Heath Radio & Electric Mfg. Co.
- Radio Condenser Co., Thorne & Copewood Sts., Camden, N. J. "Certified"
- Radioscope—see Chelton Electric Co.
- ✓Rathbun Mfg. Co., James-town, N. Y. See advertisement, page 41.
- Red Seal—see Manhattan Electrical Supply Co.
- Reliance Die & Stamping Co., 501 N. La Salle St., Chicago, Ill.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Stag Sales Corp., 105 W. 40th St., New York, N. Y. (Sole Distributors for Nelson Tool Co., New York, N. Y.) "Neilside"
- ✓Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Triangle Atlantic Corp., 349 Adams St., Brooklyn, N. Y.
- United Radio Corp., 115 Caldonia St., Rochester, N. Y. "Peerless"

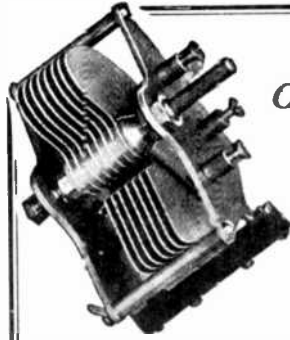


One-Dimension Salesmen

Radio manufacturers can supplement the work of their regular flesh-and-blood salesmen with thousands of "one-dimension" solicitors.

A radio manufacturer's advertisement in "Radio Retailing" becomes thousands of printed salesmen that carry his message to radio jobbers and dealers in all types of stores that sell radio, all over the country.

Radio Retailing



Pioneer Condenser Builders

- Type 3 Star \$4.00
- Type 4 Star \$4.50
- Type 5 Star \$5.50

Grounded rotor, swedged-in plates of logarithmic curve type, cone bearings and special wipe-contact rotor connections.

- Type 3 star 15 Pl. .00035 mfd.
- Type 4 star 23 Pl. .0005 mfd.
- Type 5 star 43 Pl. .001 mfd.

Approved by The Radio News Laboratories, Popular Radio and other leading laboratories.

Haig & Haig Mfg. Co.
25 South Water St., Rochester, N. Y.

**CONDENSERS,
Variable Vernier
Continued**

- United Scientific Laboratories, Inc., 80 Fourth Ave., New York, N. Y. See advertisement, page 38.
- U. S. Tool Co., Ampere, N. J.
- Wade Mfg. Co., 1819 Broadway, New York, N. Y.
- Walnat Electric Mfg. Co., 308 Green St., Chicago, Ill.
- Westwyre Co., 283 Elm St., Westfield, Mass.
- White Co., O. C., 17 Hermon St., Worcester, Mass.
- "X" Laboratories, 25 W. 45th St., New York, N. Y.

**CONNECTING BOXES,
Cable—
see Boxes, Cable Connecting**

**CONNECTING CLIPS—
see Clips, Connecting**

**CONNECTIONS,
Brass Wire—
see Connectors, Solderless**

**CONNECTORS,
Multiple Phone—
see Boxes, Multiple Phone
also Plugs, Multiple Phone**

- CONNECTORS,
Solderless Bus-Wire**
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
 - Erla—see Electrical Research Laboratories
 - Frankel Connector Co., 177 Hudson St., New York, N. Y.
 - Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
 - Morse Co., Frank W., 289 Congress St., Boston, Mass.
 - Morsing—see Newark Watch Case Material Co.
 - Newark Watch Case Material Co., 15 Ward St., Newark, N. J. "Morsing"
 - Sherman Mfg. Co., H. B., Battle Creek, Mich.

**CONTACT POINT FILES—
see Files, Contact Point**

**CONTACT POINTS—
see Points, Contact
also Platinum**

**CONTACTS,
Platinum—
see Platinum**

- CONTACTS, Switch**
- Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
 - A. & F. Electrical Mfg. Co., 2256 N. Keeler Ave., Chicago, Ill.
 - Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
 - Ajax—see Philmore Mfg. Co.
 - Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
 - Andrea, F.A.D., 1581 Jerome Ave., New York, N. Y. "Fada"
 - Bestone—see Hyman & Co.
 - Bisby Mfg. Co., 59 Warren St., New York, N. Y.
 - Blake & Johnson Co., 1495 Thomaston Ave., Waterbury, Conn.
 - Chapman Machine Co., Terryville, Conn.
 - De Jur Products Co., 199 Lafayette St., New York, N. Y.
 - Fada—see Andrea, F.A.D.
 - Federal Telephone Mfg. Corp., Buffalo, N. Y.
 - General Radio Co., 11 Windsor St., Cambridge, Mass.

Cords

For any type of loud speaker or headphone.
Suppliers to leading manufacturers, made to their specifications.

Nationally Advertised

Premier Blue Ribbon Extension Cords are advertised in every National Radio Publication. Attractive counter displays provided.

Crescent Braid Co., Inc., Providence, R. I.

At your jobber, or write us mentioning his name.

Ask for our folder.

CONTACTS, Switch Continued

- Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.
Green Seal — see Air-Way Electric Appliance Corp.
Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
H & H—see Hart & Hegeman Mfg. Co.
Hipco—see Hipwell Mfg. Co.
Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
King Quality Products, Inc., Rano St., Buffalo, N. Y.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"
✓Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.
Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
Morris, Walter C., 168 Rositer Ave., Yonkers, N. Y.
Morse Co., Frank W., 289 Congress St., Boston, Mass.
Muzada — see Mazda Radio Mfg. Co.
Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
Waterbury Mfg. Co., 236 Grant St., Waterbury, Conn.

CONTINUOUS HINGES—

see Hinges, Continuous

CONTINUOUS WAVE POWER TRANSFORMERS—

see Transformers, Power

CONTROLS, Micrometer—

see Attachments, Vernier also Dials, Vernier

COPPER CLAD ANTENNA WIRE—

see Wire, Copper Clad Steel

COPPER RIBBON—

see Wire, Flat or Strip
Copper Antenna

COPPER RIVETS—

see Rivets, Brass and Copper

COPPER, Rod—

see Brass and Copper, sheet

COPPER, Sheet—

see Brass and Copper, sheet

COPPER TUBING—

see Tubing, Brass and Copper

COPPER WASHERS—

see Washers, Brass and Copper

COPPER WIRE—

see Wire, Brass and Copper

COPPERS, Electric Soldering—

see Irons, Electric Soldering

COPPERS, Soldering Fahlberg Mfg. Co., E. D. Madison, Wis.

CORD, Flexible Lamp

Amelectric — see American Electrical Works

American Electrical Works, Phillipsdale, R. I. "Amelectric"

American Steel & Wire Co., 208 S. La Salle St., Chicago, Ill.

Bishop Wire & Cable Corp., 420 E. 25th St., New York, N. Y.

✓Cornish Wire Co., 30 Church St., New York, N. Y. "Cornwico" See advertisement, page 181.

Corwico — see Cornish Wire Co.

Davis-Jones Insulated Wire Co., Pawtucket, R. I.

Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)

New England Electrical Works—see Goldmark Co.
Philadelphia Insulated Wire Co., 200 N. Third St., Philadelphia, Pa.

Providence Insulated Wire Co., 58 Waldo St., Providence, R. I.

Rome Wire Co., Rome, N. Y.

CORD, Flexible Telephone—

see Cord, Flexible Tinsel

CORD, Flexible Tinsel

✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.

Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)

✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

New England Electrical Works—see Goldmark Co.
Philadelphia Insulated Wire Co., 200 N. Third St., Philadelphia, Pa.

CORD, Telephone—

see Cord, Flexible Tinsel

CORD TIP JACKS—

see Jacks, Cord Tip

CORD TIP PLUGS—

see Plugs, Cord Tip

CORD TIPS—

see Tips, Cord

CORDS, Battery—

see Cables, Multiple Battery

CORDS, Extension

- ✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Nu-ald" Cataloged on page 137.
- American Fabric Co., 46 Baker St., Providence, R.I.
- ✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
- B.M.S.—see Brooklyn Metal Stamping Corp.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "B.M.S." Cataloged on page 82.
- ✓Crescent Braid Co., Providence, R. I. "Premier" "Premier Jr." See advertisements, pages 28 and 46.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- De Luxe Sales Co., 112 Trinity Pl., New York, N.Y.
- Four Way Co., 29 Worthington St., Springfield, Mass.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Maxwell Mfg. Co., 170 Third St., Chelsea, Mass.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Na-ald—see Alden Mfg. Co.
- Premier—see Crescent Braid Co.
- Premier, Jr—see Crescent Braid Co.
- Runzel-Lenz Electric Mfg. Co., 1751 North Western Ave., Chicago, Ill.
- Victor Mfg. Co., 236 W. 55th St., New York, N. Y.
- Wilkins Electric Mfg. Corp., 52 Orawangum St., White Plains, N. Y.

CORDS, Flexible—

see Cords, Telephone

CORDS, Head-Set—

see Cords, Telephone

CORDS, Loud Speaker

see Cords, Telephone

CORDS, Multiple

Battery—

see Cables, Multiple Battery

CORDS, Receiver—

see Cords, Telephone

CORDS, Telephone

- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- American Electric Co., 6401 S. State St., Chicago, Ill.
- American Fabric Co., 46 Baker St., Providence, R. I.
- ✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
- Birco—see Birnbach Radio Co.
- Birnbach Radio Co., 370 Seventh Ave., New York, N. Y. "Birco"
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Blue Ribbon—see Crescent Braid Co.
- Bunzel-Lenz Elec. Mfg. Co., 1751 North Western Ave., Chicago, Ill.
- ✓Crescent Braid Co., Providence, R. I. "Blue Ribbon." See advertisements, pages 28 and 46.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- De Luxe Sales Co., 112 Trinity Pl., New York, N. Y.
- Duro—see McEvoy, C. H.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Gavitt Mfg. Co., West Brookfield, Mass.
- Goodrich-Lenhart Mfg. Co., Hamburg, Pa.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- Leich Electric Co., Genoa, Ill.
- McEvoy, C. H., 430 Broadway, Lowell, Mass. "Duro"
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Rex Radio Works, 1820 Montrose Ave., Chicago, Ill.
- Runzel-Lenz Electric Mfg. Co., 1751 North Western Ave., Chicago, Ill.
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
- Wilkins Electric Mfg. Corp., 52 Orawangum St., White Plains, N. Y.

CORDS, Tinsel—

see Cords, Telephone

COUNTERSINKS

- Braunsdorf-Mueller Co., 205 Madison St., Elizabeth, N.J.
- ✓Bridgeport Hardware Mfg. Corp., Dept. D.R., Bridgeport, Conn. "Radio-Lectric." See advertisement, page 57.
- Brubaker & Bros., W. L., 50 Church St., New York, N. Y.
- Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland, Ohio
- Deuse, J. S., Chester, Conn. "Rose"
- Greenfield Tap and Die Corp., Sanderson St., Greenfield, Mass.
- Mayhew Steel Products, Inc., Shelburne Falls, Mass.
- Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.
- National Twist Drill & Tool Co., 6522 Brush St., Detroit, Mich.
- Pratt & Whitney Co., Hartford, Conn.
- Radio-Lectric—see Bridgeport Hardware Mfg. Corp.
- Rose—see Deuse, J. S.
- Snell Mfg. Co., Fiskdale, Mass.
- Standard Tool Co., 6900 Central Ave., Cleveland, Ohio
- Starrett Co., L. S., 165 Crescent St., Athol, Mass.
- ✓Stevens & Co., 375 Broadway, New York, N. Y. Cataloged on page 186.
- Swan Co., Jas., 279 Bank St., Seymour, Conn.
- Syracuse Twist Drill Co., 936 Grape St., Syracuse, N. Y.
- Whitman & Barnes Mfg. Co., E. Exchange St., Akron, Ohio

COUPLERS, Oscillator

- All-American Radio Corp., 4221 W. Belmont Ave., Chicago, Ill.
- Autodyne—see Precision Coil Co.
- B. M. S.—see Brooklyn Metal Stamping Corp.
- ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B. T." See advertisements, pages 41, 53, 117 and 165.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "B. M. S." Cataloged on page 82.
- B. T.—see Bremer-Tully Mfg. Co.
- Cardwell Mfg. Corp., Allen D., 81 Prospect St., Brooklyn, N. Y.
- Columbia Radio Corp., 155 N. Union Ave., Chicago, Ill.
- Elkay—see Langbein-Kaufman Radio Co.
- Fischer & Co., G. H., 2604 Myrtle Ave., Glendale, L. I., N. Y.
- Haynes-Griffin Radio Service—see Tested Radio Products, Inc.
- H. D.—see Hudsonia Development Co.
- Hilco—see Hill Mfg. Co.

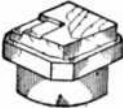
COTTON COVERED

WIRE—

see Wire, Magnet



Baby Giant
Pyrite (or
Galena) 35c



Little Giant
Galena (or
Pyrite) 50c



Giant Pyrite
(or Galena)
75c



Triplet 60c
(or Giant
Triplet) \$1.00

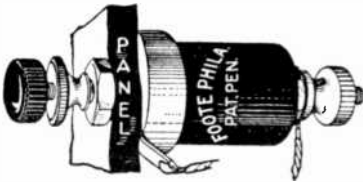
FOOTE CRYSTALS

Triple-tested and Internationally Advertised

**Triple Sales—Triple Turnover
Triple Profits**

Guaranty. Extra loud over practically the entire crystal.
We replace any "Foote" with a new one on demand.

Variotector for Reflex, \$1.50



Guaranteed:

No leakage. No short-circuits. Minimum capacity. Instantly adjustable or permanently fixable. Solid gold contact. Free replacement. Extra crystal refills, 50c.

FOOTE RADIO CORPORATION

*Mineral Pioneers for Nearly Fifty Years.
Makers of the "Coast-Coil." See Page 173.*

1609 Summer St., Philadelphia, U. S. A.

COUPLERS, Oscillator Continued

Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga.
"Hilco"

Hudsonia Development Co.,
10 Jordan Ave., Jersey City, N. J. "H. D."
Klentz Radio Co., 2324 N. Sawyer Ave., Chicago, Ill.

Langhein-Kaufman Radio Co., Dept. T., 511 Chapel St., New Haven, Conn.
"Elkay" See advertisement, page 126.

Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.

New York Coil Co., 338 Pearl St., New York, N. Y.

Precision Coil Co., 209 Centre St., New York, N. Y.
"Autodyne"

Radio Receptor Co., 106 Seventh Ave., New York, N. Y.
"R.R."

Ray-Dee-Aircraft Mfg. Co.,
12 E. Central Ave., Redland, Cal.

R. B. C.—see Rieger-Bailey Co. of America.

Richardson Radio, Inc., 123 University Pl., New York, N. Y. See advertisement, page 127.

Rieger-Bailey Co. of America,
Real Estate Trust Bldg., Philadelphia, Pa. "R.B.C."

R. R.—see Radio Receptor Co.

Samson Electric Co., (Radio Division), Canton, Mass. See advertisement, page 161.

Sangamo Electric Co., Springfield, Ill.

Silver-Marshall, 102 S. Wabash Ave., Chicago, Ill. "S-M" See advertisement, page 164.

S-M—see Silver-Marshall

Tested Radio Products, Inc.,
244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.

COUPLERS, Vario— see Varlocouplers

COVERS, Leather or Fabric Head Band

Leatherwear Co., Middletown, N. Y.

Russell Mfg. Co., Middletown, Conn.

CRYSTAL CUPS— see Holders, Crystal

CRYSTAL DETECTORS— see Detectors, Crystal

CRYSTAL SETS— see Sets, Crystal

CRYSTALS, Mounted

For Crystal Detectors—see Detectors, Crystal; for Unmounted Crystals—see Crystals, Unmounted.

A-1—see California Radio Minerals

Write for Trial Package



B-Metal Crystals

and put it on display

Trial package contains 12 crystals and complete window and counter display. \$1.50 cash with order.

Most attractively displayed and packed crystal on the market.

B-Metal triple-tested crystals sell for 25c.—trial package of one dozen to dealers \$1.80.

Guaranteed satisfaction. Will replace any one sent back for any reason within one year.

We mount and can supply all standard minerals. We are quality crystal headquarters.

Special discounts for quantity orders from Dealers, Jobbers and Manufacturers.

STAR CRYSTAL CO.

Sole Distributors for

B-Metal Refining Company

6th Floor, 527 Woodward Ave., Detroit, Mich.

**CRYSTALS, Mounted
Continued**

- Adbrin Laboratories, 469 Broad St., Newark, N. J.
- Aero Master—see Continental Sales Agency
- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- Ajax—see Phillmore Mfg. Co.
- Anchor Co., 420 Wood St., Pittsburgh, Pa. "Anchorite"
- Anchorite—see Anchor Co.
- Argentite Radio Corp., 303 E. Fourth St., Los Angeles, Cal.
- Atomite—see Keystone Products Co.
- Bestone—see Hyman & Co.
- B-Metal Refining Co.—see Star Crystal Co.
- Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
- Breco — see Bronx Radio Equipment Co.
- Bronx Radio Equipment Co., 687 Courtlandt St., New York, N. Y. "Breco"
- Brownlie & Co., Roland, 21-Saunders St., Medford, Mass.
- California Radio Minerals, 904 Oak Grove Ave., Burlingame, Cal. "A-1"
- Case Toy & Sales Co., 7250 Kelley St., (Homewood Sta.), Pittsburgh, Pa.
- Celerundum Radio Products Co., 170 Summer St., Boston, Mass.
- Chief Radio Crystal Co., 608 E. Fifth St., Los Angeles, Cal.
- Clearco Crystal Co., Idaho Springs, Colo.
- Continental Sales Agency, Hodges Bldg., Detroit, Mich. "Aero Master"
- Death Valley — see Pacific Radio Specialty Co.
- Delta Co., 3475 Lycaste Ave., Detroit, Mich.
- Detectron Sales Co., Security Bldg., St. Louis, Mo.
- ✓Dubilier Condenser & Radio Corp., Bronx Blvd. & 238th St., New York, N. Y. "Dutec." See advertisement, page 37.
- Durban Electric Co., 400 N. Laramie Ave., Chicago, Ill.
- Dutec—see Dubilier Condenser & Radio Corp.
- D-X—see Specialty Service Co.
- El Picacho Mining Co., Las Vegas, Nev.
- F—see Foote Radio Corp.
- ✓Foote Radio Corp., 1609 Summers St., Philadelphia, Pa. "F" See advertisements, pages 48 and 173.
- Ford Co., K. N., 1411 Alta Vista Blvd., Los Angeles, Cal. "Radiogrand"
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Id"
- Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
- Gold Medal — see Morris, Walter C.
- Goldite—see Hamburg Bros.
- Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
- Gracite—see Walthom Radio Products Co.


**MOUNTED CRYSTALS
RADIO MINERALS**

We mount crystals for jobbers and manufacturers. Standard mountings or to your specifications.

Phoenix Radio Laboratory

114 S. Central Ave.

Phoenix, Ariz.



2 DEATH VALLEY PRODUCTS

which increase the efficiency of all radio sets
Death Valley Crystals Sells for 30c.
(fixed detector) Recommended by radio engineers for
reflex circuits. Sell for \$1.25

Death Valley Permatect Entire surface is sensitive. Cannot be damaged by
handling. Sold in sealed packages only.
Liberal discounts allowed thru your jobber or write us direct!

PACIFIC RADIO SPECIALTY CO.
17 So. Orianna St., Philadelphia

- Grewol Mfg. Co., 35 Belleville Ave., Newark, N. J.
- Haller, W. B., 2100 Sarah St., S. S., Pittsburgh, Pa. "Hallerio"
- Hallerio—see Haller, W. B.
- ✓Hamburg Bros., 440-46 Seventh Ave., Pittsburgh, Pa. "Goldite." See advertisement, page 67.
- Hargraves, C. E. & H. T., Lakewood, R. I. "Silgo"
- Hatfield & Son, H. D., 4655 Hollywood Blvd., Hollywood, Cal. "Mexican"
- Hearwell Electric Co., 53 Devonshire St., Boston, Mass.
- Hyman & Co., Henry 476 Broadway, New York, N. Y. "Bestone"
- James—see Star-King Co.
- Johnson Radio Co., Bernays, 481 Broad St., Newark, N. J.
- Keystone Products Co., 304 Gardena Ave., Royal Oak, Mich. "Atomite"
- Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"
- Lemco—see Lee Electric & Mfg. Co.
- Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
- Mar-Co — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Martin-Hewitt Laboratory, 40 Fifth Ave., Maspeth, L. I., N. Y. "X-Ray"
- Melodian Laboratories, Independence, Mo. "Melody King"
- Melody King—see Melodian Laboratories.
- Mexican—see Hatfield & Son
- Miller Radio Co., A. H. 1259 W. Grand Blvd., Detroit, Mich.
- Minerals & Insulation Supplies Co., 96 Spring St., New York, N. Y.
- Morris, Walter C., 168 Rossiter Ave., Yonkers, N. Y. "Gold Medal" "Silver Medal"
- NAA—see Newman-Stern Co.
- Neverfall—see Post Trading Co.
- Newman-Stern Co., 1744 E. 12th St., Cleveland, Ohio "NAA"
- Novelty Radio Mfg. Co., 204 S. Fourth St. St. Louis, Mo. "Stayput"
- ✓Pacific Radio Specialty Co., 17 S. Orianna St., Philadelphia, Pa. "Death Valley" See advertisement, page 49.
- Phillmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- ✓Phoenix Radio Laboratory, 114 S. Central Ave., Phoenix, Ariz. See advertisement, page 49.
- Post Trading Co., 33 W. 42nd St., New York, N. Y. "Neverfall"
- Radio Specialties Co., 34 Golden Gate Ave., San Francisco, Cal.
- Radiogrand—see Ford Co.
- Reinhardt & Co., E. F., 220 N. Fourth St., St. Louis, Mo. "Silverblend"

CRYSTALS, Mounted Continued

- Roll-O Radio Corp., Fosdick Bldg., Cincinnati, Ohio
- R-U-F Products Co., 292 Liberty Ave., Brooklyn, N. Y. "Wonder"
- Rusonite Products Corp., 15 Park Row, New York, N. Y.
- 7/11—see Wilmat Co.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J. "Shamrock Harkness"
- Shamrock Harkness — see Shamrock Mfg. Co.
- Sligo—see Hargraves, C. E. & H. T.
- Silver Medal — see Morris, Walter C.
- Silverblend—see Reinhardt & Co.
- Specialty Service Co., 9 Hanson Pl., Brooklyn, N. Y. "D-X"
- ★Star Crystal Co., 527 Woodward Ave., Detroit, Mich. (Sole Distributors for H-Metal Refining Co., Detroit, Mich.) See advertisement, page 48.
- Star-King Co., 200 Davis St., San Francisco, Cal. "James"
- Stayput—see Novelty Radio Mfg. Co.
- Sunset—see U. S. Mfg. & Dist. Co.
- Tip-Top Crystal Co., 216 Market St., Newark, N. J.
- T. N. T. Radio Products Co., 1344 Fillmore St., San Francisco, Cal.
- Trimount Trading Co., 61 Court St., Boston, Mass.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
- U. S. Mfg. & Dist. Co., 45 Clinton St., Newark, N. J. "Sunset"
- Un-X-Ld—see Forman & Co.
- Waltham Radio Products Co., 218 Fulton St., New York, N. Y. "Gracite"
- W. C.—see Westville Mfg. Co.
- Westville Mfg. Co., 705 Chestnut St., Philadelphia, Pa. "W. C."
- Wilmat Co., Union League Bldg., Los Angeles, Cal. "7/11"
- Wonder—see R-U-F Products Co.
- Wonder State Crystal Co., Bathurst Bldg., Little Rock, Ark.
- X-Ray — see Martin-Hewitt Laboratories
- CRYSTALS, Unmounted**
For Mounted Crystals—see Crystals, Mounted; for Crystal Detectors—See Detectors, Crystal.
- A-1 — see California Radio Minerals Co.
- Adbrin Laboratories, 469 Broad St., Newark, N. J.
- Airia Crystal Co., 1402 Seventh Ave., Moline, Ill.
- Ajax—see Philmore Mfg. Co.
- Alderson Arizona—see Howe & Co.
- All-Point Mfg. Co., 2905 W. Euclid Ave., Detroit, Mich.
- Argentite Radio Corp., 303 E. Fourth St., Los Angeles, Cal.
- Audion—see Taylor Electric Co.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y. "Supertone"
- Black Diamond — see Classy Specialty Co.
- Brady, J. J., 681 Monadnock Bldg., San Francisco, Cal.
- California Radio Minerals, 904 Oak Grove Ave., Burlingame, Cal. "A-1"
- Chief Radio Crystal Co., 603 E. Fifth St., Los Angeles, Cal.
- Christy Radio Crystal Co., 141 E. Fourth St., Cincinnati, Ohio
- Classy Specialty Co., 1422 Providence St., Cincinnati, Ohio "Black Diamond"
- Death Valley — see Pacific Radio Specialty Co.
- Delta Co., 3475 Lycaste Ave., Detroit, Mich.
- DX-Alena—see Everett Radio Co.
- El Picacho Mining Co., Las Vegas, Nev.
- Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "DX-Alena"
- F—see Foote Radio Corp.
- ★Foote Radio Corp., 1609 Summer St., Philadelphia, Pa. "F" See advertisements, pages 48 and 173.
- Howe & Co., C. W., 21 E. Van Buren St., Chicago, Ill. "Alderson Arizona"
- Illinois Radio Engineering Co., 3508 W. 26th St., Chicago, Ill. "Klear-Rite"
- James—see Star-King Co.
- ★Kelso National Mining Co., Georgetown, Colo. See advertisement, page 173.
- Klear-Rite — see Illinois Radio Engineering Co.
- McCarthy Radio Products Co., 921 N. Ainsworth St., Tacoma, Wash. "Mount Tacoma"
- Melodian Laboratories, Independence, Mo. "Melody King"
- Melody King — see Melodian Laboratories
- Mexite—see Wolverine Radio Co.
- Miller Radio Co., A. H., 1259 W. Grand Blvd., Detroit, Mich.
- Minerals & Insulation Supplies Co., 96 Spring St., New York, N. Y.
- Morris, Walter C., 168 Rositer Ave., Yonkers, N. Y.
- Mount Tacoma—see McCarthy Radio Products Co.
- MPM Sales Co., 247 S. Central Ave., Los Angeles, Cal.
- NAA—see Newman-Stern Co.
- Newman-Stern Co., 1744 E. 12th St., Cleveland, Ohio "NAA"
- Non-Skid Crystal Mfg. Co., 5601 E. 15th St., Kansas City, Mo. "Shur-Hot."
- ★Pacific Radio Specialty Co., 17 S. Orianna St., Philadelphia, Pa. "Death Valley" See advertisement, page 49.
- Pacific Screw Co., 645 N. E. 53d St., Portland, Ore. "Silverblend"
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- ★Phoenix Radio Laboratory, 111 S. Central Ave., Phoenix, Ariz. See advertisement, page 49.
- Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- Radio Minerals Co., 1935 Hazelwood Ave., Detroit, Mich.
- Shur-Hot — see Non-Skid Crystal Mfg. Co.
- Silverblend — see Pacific Screw Co.
- Star-King Co., 200 Davis St., San Francisco, Cal. "James"
- Steinite Laboratories, Radio Bldg., Atchison, Kans.
- Supertone — see Bisby Mfg. Co.
- Taylor Electric Co., 1206 Broad St., Providence, R. I. "Audion"
- Thoma Radio Co., J. H., 1435 Beaver Ave., Pittsburgh, Pa.
- Trimount Trading Co., 61 Court St., Boston, Mass.
- W. C.—see Westville Mfg. Co.
- Westville Mfg. Co., 705 Chestnut St., Philadelphia, Pa. "W. C."
- Wolverine Radio Co., 103 W. Atwater St., Detroit, Mich. "Mexite"
- Wonder State Crystal Co., Bathurst Bldg., Little Rock, Ark.

CUPS, Crystal—

see Hohlers, Crystal

CURRENT

TRANSFORMERS—

see Transformers, Power

CUSHIONS,

Rubber Phone

- Ajax—see Philmore Mfg. Co.
- ★Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Na-ald" Cataloged on page 137.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio
- Goodrich Rubber Co., B. F., Akron, Ohio
- May Rubber Co., 826 Arch St., Philadelphia, Pa. "Itadiphone"
- Na-ald—see Alden Mfg. Co.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Radio Industries Corp., 131 Duane St., New York, N. Y. "Rico"
- Radiphone—see May Rubber Co.
- Rico—see Radio Industries Corp.

CUSHIONS, Rubber Set
 Green Rubber Co., Greensburg, Pa. "Herbert"
 Herbert — see Green Rubber Co.
 Neodyne Associates, 165 Broadway, New York, N. Y. "Radiofeet"
 Radiofeet — see Neodyne Associates
 Spuntex Products Co., 329 W. Baltimore St., Baltimore, Md.

CUSHIONS, Rubber Socket
 Illinois Radio Co., Springfield, Ill.

CUSHIONS, Telephone Ear—
 see Cushions, Rubber Phone

CUT-IN RELAYS—
 see Relays, Cut-In

CUTTERS, Panel Hole
Rotary Hack Saws and Expanding Cutters for cutting holes in panels for instruments.

Atec Products Co., 534 W. Elm St., Chicago, Ill.
 Cincinnati Tool Co., 1951 Waverly Ave., (Norwood) Cincinnati, Ohio "Hargrave"

General Hardware Mfg. Co., 34 Warren St., New York, N. Y. "Pawood"

Hargrave — see Cincinnati Tool Co.

Hugue Mfg. Co., 146 Broadway, Brooklyn, N. Y.

Jiffy—see Koch & Co.

Koch & Co., Paul W., 17 S. Wells St., Chicago, Ill. "Jiffy"

Little Wonder—see Poeppel Novelty Works.

Misener & Irving Mfg. Co., 312 E. Genesee St., Syracuse, N. Y.

Pawood—see General Hardware Mfg. Co.

Poeppel Novelty Works, 1800 Berenice Ave., Chicago, Ill. "Little Wonder"

Radiogem Corp., 66 W. Broadway, New York, N. Y. "Ragemco"

Ragemco — see Radiogem Corp.

Stevens & Co., 375 Broadway, New York, N. Y. Catalogued on page 186.

CUTTING, Panel—
 see Panels, Cutters, Drillers and Engravers of

PYRATEK

WITH MOUNTING CLIPS TRADE MARK \$1.25 LIST



FIXED Crystal Rectifier

Pat'd May 12, '25

For Retlex, Radio Frequency and Crystal Circuits
Absolutely Guaranteed

Write for Folder and Special Introductory Offer
THE ERISMAN LABS. Dept. T, 3785 Bway., N.Y.C.

DECALCOMANIA TRANSFERS—
 see Transfers, Decalcomania

DESKS, Radio—
 see Tables, Radio

DETECTOR TUBES—
 see Tubes, Vacuum

DETECTORS, Crystal
 Advance Electric Co., 1260 W. Second St., Los Angeles, Cal.

Acrovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.

Ajax—see Philmore Mfg. Co.
 Ajax Electric Co., 13 Palmer St., Cambridge, Mass.

Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.

All-Point Mfg. Co., 2905 W. Euclid Ave., Detroit, Mich.

Ambrose Radio Co., 220 Vernon Ave., Brooklyn, N. Y.

Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"

Argentite Radio Corp., 303 E. Fourth St., Los Angeles, Cal.

Bestone—see Hyman & Co.

Bisby Mfg. Co., 59 Warren St., New York, N. Y. "Supertone"

B-Metal Refining Co. — see Star Crystal Co.

B. M. S.—see Brooklyn Metal Stamping Corp.

Baach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.

Breco — see Bronx Radio Equipment Co.

Bronx Radio Equipment Co., 687 Courtlandt Ave., New York, N. Y. "Breco"

Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "B. M. S." Catalogued on page 82.

Brownlie & Co., Roland, 21 Saunders St., Medford, Mass.

Bug—see Hearwell Electric Co.

Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. "Jove"

B. W. Battery & Radio Corp., 824 Ninth Ave., New York, N. Y.

California Radio Products Co., Los Angeles, Cal. "Calrad"

Calrad—see California Radio Products Co.

Carborundum Co., Buffalo & 18th Sts., Niagara Falls, N. Y.

Celerundum Radio Products Co., 179 Summer St., Boston, Mass. "De-Tex-It"

Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.

Crystalstat—see Star Crystal Co.

Crystelector—see Welty & Co.

Davidson Radio Corp., 222 Fulton St., New York, N. Y. "Rasla"

De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.

De Jur Products Co., 199 Lafayette St., New York, N. Y.

De-Tex-It—see Celerundum Radio Products Co.

Electric City Novelty & Mfg. Co., 120 Odell St., Schenectady, N. Y. "Radjo"

Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"

Electro-Chemical Laboratories, 461 Central Ave., Jersey City, N. J.

Erisman Laboratories, Dept. T, 3785 Broadway, New York, N. Y. "Pyratek" See advertisement, page 51.

Erla—see Electrical Research Laboratories.

Fada—see Andrea, F. A. D. Federal Telephone Mfg. Corp., Buffalo, N. Y.

5-in-1 — see Roll-O Radio Corp.

DETECTORS, Crystal Continued

- Flash Radio Corp., 127 Federal St., Boston, Mass.
- Footec Radio Corp., 1609 Summer St., Philadelphia, Pa. "Varlotector" "Footec-Tector" See advertisements, pages 48 and 173.
- Footec-Tector — see Footec Radio Corp.
- Ford Co., K. N., 1411 Alta Vista Blvd., Los Angeles, Cal. "Radiogrand"
- Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
- Giffilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Goucher & Co., James L., 11 Springfield Ave., Newark, N. J.
- Grewol Mfg. Co., 35 Belleville Ave., Newark, N. J.
- G. & S. Radio Research Laboratory, 1269 Cochran Ave., Los Angeles, Cal.
- Haller, W. B., 2100 Sarah St., S. S., Pittsburgh, Pa. "Hallerio"
- Hallerio—see Haller, W. B.
- Hargraves, C. E. & H. T., Lakewood, R. I. "Silver Dome"
- Harkness Radio Corp., Kenneth, 727 Frelinghuysen Ave., Newark, N. J.
- Harvey & Walton Mfg. Co., 32 E. Front St., Cincinnati, Ohio
- Haydon & Haydon, 73 Warren St., New York, N. Y.
- Hearwell Electric Co., 53 Devonshire St., Boston, Mass. "Bug"
- Hedden Place Machine Co., 40 Hedden Pl., East Orange, N. J. "HPMCO"
- HPMCO—see Hedden Place Machine Co.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- Jove—see Bunnell & Co.
- Keystone Products Co., 304 Gardenia Ave., Royal Oak, Mich. "Nion"
- Lincoln Mfg. Co., 1149 Santee St., Los Angeles, Cal.
- Lip-Tone Detector Co., 15 Central Ave., Revere, Mass.
- Los Angeles Sales Co., 1211 W. Sixth St., Los Angeles, Cal.
- Mar-Co — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Melodian Laboratories, Independence, Mo. "Melody King"
- Melody King — see Melodian Laboratories
- Miller Radio Co., A. H., 1259 W. Grand Blvd., Detroit, Mich.
- Moore Mfg. Co., 169 Bloomfield Ave., Bloomfield, N. J.
- Nion—see Keystone Products Co.
- Novelty Radio Mfg. Co., 204 S. Fourth St., St. Louis, Mo. "Stayput"
- ✓Pacent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Presto Detector Co., 1641 Stout St., Denver, Colo.
- Pyratek—see Erisman Laboratories
- Radetec—see Towner Radio Mfg. Co.
- Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- Radio Receptor Co., 106 Seventh Ave., New York, N. Y.
- Radio Specialty Co., 98 Park Pl., New York, N. Y. "Rasco Cryso-dyne"
- Radiogrand—see Ford Co.
- Radio—see Electric City Novelty & Mfg. Co.
- Rasco Cryso-dyne—see Radio Specialty Co.
- Rasla—see Davidson Radio Corp.
- Roll-O Radio Corp., Fosdick Bldg., Cincinnati, Ohio "5-In-1"
- R-U-F Products Co., 292 Liberty Ave., Brooklyn, N. Y.
- Rusonite Products Corp., 15 Park Row, New York, N. Y.
- R-W Mfg. Co., 224 N. Halsted St., Chicago, Ill.
- Scientific Research Laboratories, 619 W. Franklin St., Baltimore, Md.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J. "Shamrock Harkness"
- Shamrock Harkness — see Shamrock Mfg. Co.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Silver Dome—see Hargraves, C. E. & H. T.
- Spade—see Tool & Device Corp.
- Stafford Radio Co., 29 Newberne St., Midford Hillside, Mass.
- ✓Star Crystal Co 527 Woodward Ave., Detroit, Mich. (Sole Distributors for B-Metal Refining Co., Detroit, Mich.) "Crystalstat" See advertisement, page 48.
- Stayput—see Novelty Radio Mfg. Co.
- Steinlite Laboratories, Radio Bldg., Atchison, Kans.
- Steinmetz Wireless Mfg. Co., 5968 Baum Blvd., Pittsburgh, Pa.
- Supertone — see Bisby Mfg. Co.
- Tanner Radio Co., C. D., 528 W. Washington St., Los Angeles, Cal.
- Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.
- Tool & Device Corp., 520 Congress St., Troy, N. Y. "Spade"
- Towner Radio Mfg. Co., 2620 Victor St., Kansas City, Co. "Radetec"
- Trilrector Co., 215 Macalester Ave., St. Paul, Minn.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
- Variotector—see Footec Radio Corp.
- Waltham Radio Products Co., 218 Fulton St., New York, N. Y.
- Welty & Co., Wm. A., 36 S. State St., Chicago, Ill. "Crystector"
- Westwire Co., 283 Elm St., Westfield, Mass.
- Wonder State Crystal Co., Bathurst Bldg., Little Rock, Ark.
- Yale Radio Electric Co., 1111 Wall St., Los Angeles, Cal.

DIAL ADJUSTERS—
see Attachments, Vernier**DIAL BUSHINGS—**
see Bushings, Dial**DIAL POINTERS—**
see Pointers, Dial**DIAL REAMERS—**
see Reamers, Dial**DIALS, Glass**
Peterson & Hoffman, Millville, N. J.**DIALS, Hard Rubber—**
see Dials, Rubber

- DIALS, Metal**
For Rubber or Composition Dials—see Dials, Rubber or Composition; also Dials, Vernier.
- A.C.H.—see Hayden Radio & Research Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Auld Co., D. L., Fifth Ave. & Fifth St., Columbus, Ohio
- B. M. S.—see Brooklyn Metal Stamping Corp.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "B.M.S." Cataloged on page 82.
- ✓Crowe Name Plate & Mfg. Co., 1749 Grace St., Chicago, Ill. See advertisement, page 86.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Erla—see Electrical Research Laboratories
- ✓Etched Products Corp., 90 Tenth St., Long Island City, N. Y. See advertisement, page 94.

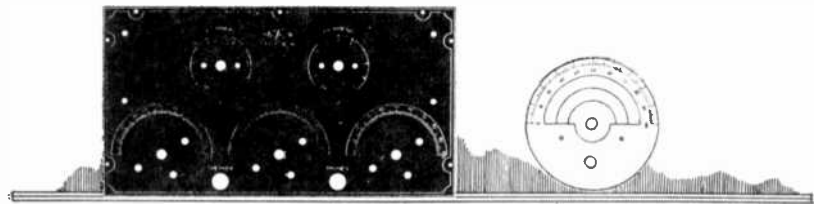
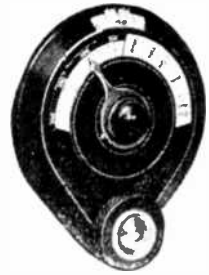
To Make Tuning Easier

"The most beautiful dial on the market," said one jobber when he first saw the B-T Tuning Control. And its mechanical efficiency is just as good as its appearance.

Smooth flowing action without backlash or lost motion. Any B-T Tuning Control will work with right or left hand turning instruments. Readings in dial numbers and station call letters. When used with B-T inductances and condensers readings may be had in wave lengths. Dealers who stock this dial say it sells itself. The price is reasonable.

Full information on request.

BREMER-TULLY MFG. CO., 532 So. Canal St., Chicago



Etched Metal Panels, Dials, and Name-Plates

THE LITHO-ETCHING CORPORATION

52 Vanderbilt Avenue,

Phone Vanderbilt 0480

New York, N. Y.

DIALS, Metal Continued

- ✓ General Etching & Mfg. Co., 312-16 S. Hamilton Ave., Chicago, Ill. See advertisement, page 93.
- Hanson Co., C. H., 178 N. Clark St., Chicago, Ill.
- Hayden Radio & Research Co., A. C., Brockton, Mass., "A.C.H."
- ✓ Litho-Etching Corp., 52 Vanderbilt Ave., New York, N. Y. See advertisement, page 53.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
- ✓ Premier Metal Etching Co., 300-30 Van Alst Ave., Long Island City, N. Y. See advertisement, page 93.
- Royal Metal Process Co., 313 Canal St., New York, N. Y.

DIALS, Micrometer— see Dials, Vernier

DIALS, Rubber or Composition

For Metal Dials — see Dials, Metal; also Dials, Vernier.

- A-C Electric Mfg. Co., Dayton, Ohio
- ✓ Aerovox Wireless Corp., 488-93 Broome St., New York, N. Y. See advertisement, page 38.

- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- ✓ Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Na-ald" Cataloged on page 137.
- American Hard Rubber Co., 11 Mercer St., New York, N. Y. "Radion"
- Amsco Products, Inc., 416 Broome St., New York, N. Y.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Aristocrat — see Kurz-Kasch Co.
- Auburn Button Works, 48 Canoga St., Auburn, N. Y.
- Beacon Radio Mfg. Co., 100 S. Third St., Brooklyn, N. Y.
- ✓ Bell Mfg. Co., 11 Elkins St., Boston, Mass. Cataloged on page 136.
- ✓ Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Bremco" See advertisement, page 138.
- Bestone—see Hyman & Co.
- Bremco—see Bennington Radio & Electric Mfg. Co.
- Bridgeport Die & Machine Co., 166 Elm St., Bridgeport, Conn.
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.
- ✓ Chelten Electric Co., Philadelphia, Pa. See advertisement, page 43.

- Cleveland Products Co., 714 Huron Rd., Cleveland, Ohio.
- Compo-site, Inc., 207 Astor St., Newark, N. J. "Premier"
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Dutch Boy—see National Lead Co.
- Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
- Fada—see Andrea, F. A. D.
- Famous Radio Products, 33 Grand St., New York, N. Y. "FRP"
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio
- Freed-Elsemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- FRP—see Famous Radio Products
- Gee Haw—see Ignition Specialties Co.
- General Instrument Corp., 423 Broome St., New York, N. Y.
- General Insulate Co., 1008 Atlantic Ave., Brooklyn, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Green Seal—see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

KARAS Micrometric Dial

A precision instrument that tunes accurately to the thousandth (1/1000th) part of an inch—ratio 63 to 1. Dial turns easily with a liquid-like smoothness.

There is no possibility of even the slightest "back-lash." The dial turns instantly in either direction at any point by the slightest touch on the vernier knob. Rough tuning is done with the larger knob.

Dial markings and numerals are gold inlay. There are 200 divisions in place of the usual one hundred—making it easy to determine the exact spot at which a given station comes in.

A 1½-in. ALI. BAKELITE black dial—of the very HIGHEST TYPE. Price \$3.50

Karas Electric Co., 4040 N. Rockwell St., Chicago



✓Radio Panel & Parts Corp., 59 Warren St., New York, N. Y. See advertisement, page 90.

Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"

Radion—see American Hard Rubber Co.

Red Seal—see Manhattan Electrical Supply Co.

Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.

✓Richards & Co., George, 557 W. Monroe St., Chicago, Ill. "Hemco." Cataloged opposite Inside Front Cover.

Rit-One—see Radio Sales Co. Scranton Button Co., Scranton, Pa.

Shaw Insulator Co., 150 Coit St., Irvington, N. J.

✓Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 144.

Splitdorf - Bethlehem Electrical Co., 392 High St., Newark, N. J.

Stag Sales Corp., 105 W. 40th St., New York, N. Y. (Sole Distributors for Nelson Tool Co., New York, N. Y.) "Nelslide"

Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.

Tune-Rite—see Radiall Co.

Walhart Electric Mfg. Co., 308 Green St., Chicago, Ill.

Waterbury Button Co., Waterbury, Conn.

Watertown Mfg. Co., Watertown, Conn.

Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.

WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

"X" Laboratories, 25 W. 45th St., New York, N. Y.

DIALS, Vernier

For Vernier Attachments—see Attachments, Vernier; for Non-Vernier Dials—see Dials, Rubber or Composition; also Dials, Metal.

Accuratune — see Mydar Radio Co.

✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Nauld." Cataloged on page 137.

American Instrument Works, Fulton Bldg., Pittsburgh, Pa. "Split-Em"

✓Apeo Mfg. Co., (Radio Division), Providence, R. I. See advertisement, page 105.

Apex Electric Mfg. Co., 1410 W. 59th St., Chicago, Ill.

Ideal

A micrometer control which is ideal for coarse or extremely fine tuning. Segregates even those stations now so closely grouped on the lower wave lengths, and brings them in with absolute precision. Quickly substituted without set alteration.

MYDAR RADIO CO.
119 Campbell St., Newark, N. J.
Makers of

ACCURATUNE

REGISTERED TRADE MARK U.S. PAT. OFF.

Pat. Apr. 21, 1925
Other U.S. & For. Pat. Pend.

DIALS, Rubber or Composition Continued

Heath Radio & Electric Mfg. Co., 207 First St., Newark, N. J.

Hemco—see Richards & Co. H & H—see Hart & Hegeman Mfg. Co.

Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.

Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"

Ignition Specialties Co., 125 W. 51st St., New York, N. Y. "Gee Haw"

✓International Insulating Corp., Elyria, Ohio. See advertisement, page 78.

Johns-Pratt Co., Hartford, Conn.

Kay Radio Co., 364 39th St., Brooklyn, N. Y.

K. B. Mfg. Co., 222 Eighth St., San Francisco, Cal.

✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

King Quality Products, Inc., Rano St., Buffalo, N. Y.

Kurz-Kasch Co., Broadway & Morris St., Dayton, Ohio "Aristocrat"

✓Luzerne Rubber Co., Trenton, N. J. See advertisement, page 112.

Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"

Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"

Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.

Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.

Muzada — see Mazda Radio Mfg. Co.

Na-ald—see Alden Mfg. Co.

National Lead Co., 111 Broadway, New York, N. Y. "Dutch Boy"

Nelslide — see Stag Sales Corp.

Nelson Tool Co. — see Stag Sales Corp.

Parkin Mfg. Co., Grand Ave., San Rafael, Cal.

Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y.

Philmore Mfg. Co., 165 Chambers St., New York, N. Y. "Ajax"

Pilot Electric Mfg. Co., 323 Perry St., Brooklyn, N. Y.

Premier—see Composite, Inc.

✓Quality Molded Products, Inc., Jersey City, N. J. See advertisement, page 85.

✓Radiall Co., 50-52 Franklin St., Dept. RTDI, New York, N. Y. "Tune-Rite" See advertisements, pages 68 and 90.

Radio Equipment & Mfg. Co., 1010 Atlantic Ave., Brooklyn, N. Y.

Jobbers and Dealers

should write us at once giving full particulars of the line of business they are engaged in so that their names may be placed on or kept on our lists to receive The Radio Trade Directory regularly each quarter—without charge of course.

THE RADIO
TRADE DIRECTORY



The Jewett MICRO-DIAL

Fifty times as accurate as ordinary dials, due to the fact that it is really two dials in one, each turning the full circle. A necessity on sharp-tuning sets; greatly improves reception of any set. Needs only a screwdriver to install. Built like a watch.

Material, solid bakelite. Gears operate smoothly and without noise. Calibrations optional, zero left or zero right. Lubricated for life.

Dial diameter, 4 inches; protrudes from panel only $1\frac{1}{4}$ inches—Installs where any 4-inch dial will go—Package contains twenty units, each separately packed. List price each Micro-Dial \$3.50.

"THERE IS NO SUBSTITUTE FOR THE BEST"

**JEWETT RADIO &
PHONOGRAPH COMPANY**

5686 Telegraph Road, Pontiac, Mich.

DIALS, Vernier Continued

- Baker-Smith Co., Call Bldg., San Francisco, Cal. (Sole Distributors for Bel-Canto Radio & Telephone Equipment Co., New York, N. Y.)
- Ballston Insulating & Composition Co., Ballston Spa, N. Y.
- Bel-Canto Radio & Telephone Equipment Co.—see Baker-Smith Co.
- ✓Bell Mfg. Co., 11 Elkins St., Boston, Mass. Cataloged on page 136.
- Branston, Chas. A., 813 Main St., Buffalo, N. Y.
- B-T—see Bremer-Tully Mfg. Co.
- ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B-T" See advertisements, pages 41, 53, 117 and 165.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "Verni-Juster" "Verni-Juster, Jr." Cataloged on page 82.
- Clapp-Eastham Co., 139 Main St., Cambridge, Mass. "Radak"
- Dialog—see Walnart Electric Mfg. Co.
- Durad—see Duraplate Co.
- Duraplate Co., Summerdale Ave. & Roosevelt Rd., Philadelphia, Pa. "Durad"
- Dymac—see Electrical Products Mfg. Co.
- Electrad, Inc., 428 Broadway, New York, N. Y.
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- Erla—See Electrical Research Laboratories
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- E-Z Toon Radio Co., Dayton, Ohio
- Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
- Fynur—see Goertz & Co.
- Gee Haw—see Gischow Co.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Gischow Co., Otto R., 125 W. 51st St., New York, N. Y. "Gee-Haw"
- Goertz & Co., August, 270 Morris Ave., Newark, N. J. "Fynur"
- ✓Heinemann Electric Co., 1730 N. Fifth St., Philadelphia, Pa. "Sensory." See advertisement, page 68.
- Ideal—see Mydar Radio Co.
- ✓Jewett Radio & Phonograph Co., 5680 Telegraph Rd., Pontiac, Mich. "Micro-Dial" Cataloged on page 53.
- ✓Karas Electric Co., 4040 N. Rockwell St., Chicago, Ill. See advertisement, page 54.
- Mar-Co — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Martins Ideal—see Vibroplex Co.
- Micro-Dial—see Jewett Radio & Phonograph Co.
- Microvern—see Pacent Electric Co.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Monosmith Brothers Co., Spencer, Ohio. "Visco"

- ✓Mydar Radio Co., 19 Campbell St., Newark, N. J. "Accuratune" "Ideal" See advertisements, pages 54 and 59.
- Na-aid—see Alden Mfg. Co.
- National Co., 110 Brookline St., Cambridge, Mass. "Velvet"
- ✓Pacent Electric Co., 91 Seventh Ave., New York, N. Y. "Microvern" See advertisements, pages 97 and 157.
- Perfection Radio Mfg. Co., 24th & Race Sts., Philadelphia, Pa.
- Phenix Radio Corp., 114 E. 25th St., New York, N. Y.
- Radak—see Clapp-Eastham Co.
- Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"
- Rit-One—see Radio Sales Co.
- Sensory—see Heinemann Electric Co.
- Shaw Insulator Co., 150 Colt St., Irvington, N. J.
- ✓Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. See advertisement, page 95.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Split-Fm — see American Instrument Works.
- Univernier—see Walbert Mfg. Co.
- Velvet—see National Co.
- Verni-Juster—see Brooklyn Metal Stamping Corp.
- Verni-Juster, Jr.—see Brooklyn Metal Stamping Corp.
- Vibroplex Co., 825 Broadway, New York, N. Y. "Martins Ideal"
- Visco—see Monosmith Brothers Co.
- Walbert Mfg. Co., 945 Wrightwood Ave., Chicago, Ill. "Univernier"
- Walnart Electric Mfg. Co., 303 S. Green St., Chicago, Ill. "Dialog"
- X-Akt Radio Corp., 170 Broadway, New York, N. Y.

DIAMOND WEAVE COILS—

see Coils, Inductance

DIAPHRAGMS, Mica

- Audphone Co. of America, 59 Cortlandt St., New York, N. Y.
- Hirsch Mica Co., 1087 Flushing Ave., Brooklyn, N. Y.
- Imico — see International Mica Co.
- International Mica Co., 37th & Brandywine Sts., Philadelphia, Pa. "Imico"
- Mica Insulator Co., 68 Church St., New York, N. Y.
- Superior Mica Diaphragm Co., 61 Park Pl., New York, N. Y.

DIE CAST PARTS—

see Castings, Die

DIE CASTINGS—

see Castings, Die

DIE STOCKS—

see Stocks, Die

DIES—

see Taps and Dies; also Jigs, Dies and Fixtures

DISTILLED WATER—

see Water, Distilled

DIVIDERS—

See Callipers and Dividers

DOUBLE CIRCUIT JACKS—

see Jacks, Phone

DOUGHNUT COILS—

see Transformers, Tuned Radio Frequency

DRILLING, Panel—

see Panels, Cutters, Drillers and Engravers of

DRILLS

Electric Portable

- Black & Decker Mfg. Co., (Towson Heights), Baltimore, Md.
- Cincinnati Electrical Tool Co., 1501 Freeman Ave., Cincinnati, Ohio
- Clark, Jr., Electric Co., James, 520 W. Main St., Louisville, Ky.
- Electro-Magnetic Tool Co., Cicero, Ill. "Speed Way"
- Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Hisey-Wolf Machine Co., Colerain & Marshall Aves., Cincinnati, Ohio
- Huskee—see Worcester Electric Tool Co.
- Jones, MacNeal & Camp, Market & Detroit Sts., Warsaw, Ind. "Power King"
- Kesco One-Hand-Y — see Knight Engineering Sales Co.
- Knight Engineering Sales Co., 42 E. Pearson St., Chicago, Ill. "Kesco One-Hand-Y"
- Koerber, Paul A., 612 W. Adams St., Chicago, Ill.
- Power King—see Jones, MacNeal & Camp
- Speed Way—see Electro-Magnetic Tool Co.
- Standard Electric Tool Co., Central Parkway & Jackson St., Cincinnati, Ohio
- U.S.—see United States Electrical Tool Co.
- United States Electrical Tool Co., Cincinnati, Ohio. "U.S."

The

RADIO TRADE DIRECTORY'S

List of Wholesalers

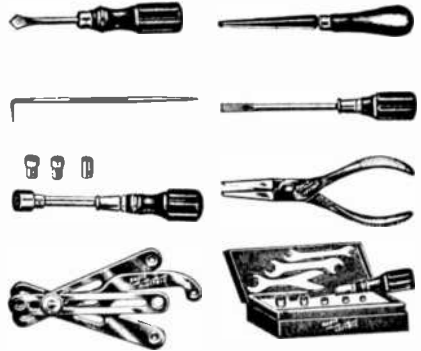
gives the names of all concerns whose radio business is 50% or more wholesale.

Names of Managers and Buyers, territory covered, number of men traveled, amount of stock carried and much other pertinent data is also given.

It will help you solve your jobber problems.

Further particulars will be gladly furnished on request.

Radio-Lectric Tools



A Line of Popular Priced Tools for Radio Work

Designed by practical radio men. Just what the "fans" are looking for.

Send for New Complete Catalogue

The Bridgeport Hardware Mfg. Corp.
Dept. R.
BRIDGEPORT, CONN., U. S. A.

DRILLS, Electric Portable Continued

Van Dorn Electrical Tool Co., 2978 Woodhill Rd., Cleveland, Ohio
Worcester Electric Tool Co., 42 Southbridge St., Worcester, Mass. "Huskee"

DRILLS, Hand and Breast

Goodell-Pratt Co., Wells St., Greenfield, Mass.
Millers Falls Co., Millers Falls, Mass.
North Bros. Mfg. Co., American St. & Lehigh Ave., Philadelphia, Pa. "Yankee"
Stanley Works (Special Productions Dept.), Grove & Hill Sts., New Britain, Conn.
Yankee — see North Bros. Mfg. Co.

DRILLS, Twist

American Twist Drill & Tool Co., 2804 W. Jefferson Ave., Detroit, Mich.
Ameco Twist Drill & Tool Co., 18th & Howard Sts., Detroit, Mich.

Bay State Tap & Die Co., 75 Chauncy St., Mansfield, Mass.
Buckeye Twist Drill Co., Elm St., Alliance, Ohio
Cle-Forge — see Cleveland Twist Drill Co.
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland, Ohio. "Mezzo," "Cle-Forge"
Detroit Twist Drill Co., 2108 W. Fort St., Detroit, Mich.
Diamond — see Whitman & Barnes Mfg. Co.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "G.T.D."
G.T.D. — see Greenfield Tap and Die Corp.
Hercules — see Whitman & Barnes Mfg. Co.
Mezzo — see Cleveland Twist Drill Co.
Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.
National Twist Drill & Tool Co., 6522 Brush St., Detroit, Mich.
New Process Twist Drill Co., 34 Court St., Taunton, Mass.
Pratt & Whitney Co., Hartford, Conn.
Standard Tool Co., 6900 Central Ave., Cleveland, Ohio
Syracuse Twist Drill Co., 936 Grape St., Syracuse, N. Y.
Union Twist Drill Co., Chestnut Hill Ave., Athol, Mass.

Whitman & Barnes Mfg. Co., E. Exchange St., Akron, Ohio. "Diamond," "Hercules"

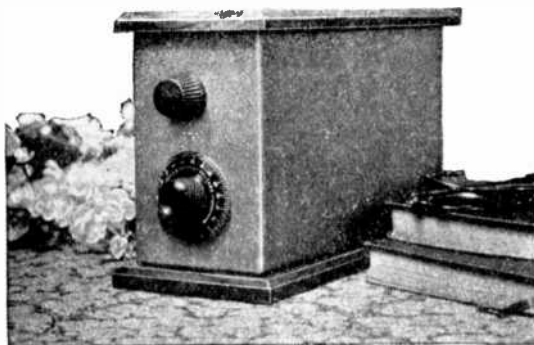
DRIVE GROUNDS— see Rods, Ground

DRIVERS, Screw

Billings & Spencer Co., Laurel & Park Sts., Hartford, Conn.
Braunsdorf-Mueller Co., 205 Madison St., Elizabeth, N. J. "New Century," "O. K.," "Ideal"
Bridgeport Hardware Mfg. Corp., Dept. R., Bridgeport, Conn. "Radio-Lectric." See advertisement, page 57.
Cincinnati Tool Co., 1951 Waverly Ave., (Norwood) Cincinnati, Ohio
Coburn Tool Co., 739 Boylston St., Boston, Mass. "Utility"
Cronk & Carrier Mfg. Co., Montour Falls, N. Y. "Elmira"
Disston & Sons, Henry, (Tacony) Philadelphia, Pa. Elmira—see Cronk & Carrier Mfg. Co.
Goodell-Pratt Co., Wells St., Greenfield, Mass.
Holt Co., G. L., Hartford, Conn. "Sure Holt"
Ideal—see Braunsdorf-Mueller Co.

DISTON

AN ELECTRICAL INSTRUMENT
REPLACING "B" BATTERIES AND
USING ALTERNATING CURRENT



Here is a "B" Battery
Eliminator you are
asked to try
before you are asked
to sell it!

Diston performance is amazing. Exhaustive tests have been convincing that quality, volume and selectivity are increased by it. We are anxious that every dealer mindful of present and future profits and prestige have an opportunity to know first-hand the advantages Diston will give sets he sells and has sold. We have arranged a special Free Trial Offer. Write for it.

List Prices

Diston, complete, with Rectifier Tube, ready for operation on 60 cycle, 110 volt	\$40.00
For 50 cycle, 110 volt	48.00
For 110 volt, other than 50 or 60 cycle	60.00
Diston Kit—essential Diston parts for set builders, in handy kit form with full directions for assembly, 60 cycle	28.50
For 50 cycle, 110 volt	35.75
For 110 volt, other than 50 or 60 cycle	42.75

RADIO PRODUCTS, INC.

Dept. TR Richmond, Indiana

DRIVERS, Screw Continued

- Mayhew Steel Products, Inc.,
Shelburne Falls, Mass.
- Miller Rubber Co., of N. Y.,
S. High St., Akron, Ohio
"Ra-Drivers" See advertisement, page 71.
- Millers Falls Co., Millers
Falls, Mass.
- Mound Tool Co., 1203 S. Seventh St., St. Louis, Mo.
- New Century—see Braunsdorf-Mueller Co.
- North Bros. Mfg. Co., American St. & Lehigh Ave., Philadelphia, Pa. "Yankee" O. K.—see Braunsdorf-Mueller Co.
- Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"
- Pexto—see Peck, Stow & Wilcox Co.
- Radiogem Corp., 66 W. Broadway, New York, N. Y. "Rageco"
- Radio-Lectric—see Bridgeport Hardware Mfg. Corp.
- Ra-Drivers—see Miller Rubber Co. of N. Y.
- Rageco—see Radiogem Corp.
- Red Devil—see Smith & Hemenway
- Six-Sixty—see Smith & Co.
- Smith & Co., H. D., Plantsville, Conn. "Six-Sixty"
- Smith & Hemenway, 261 Broadway, New York, N. Y. "Red Devil"
- Stanley Works (Special Productions Dept.) Grave & Hill Sts., New Britain, Conn.
- Starrett Co., L. S., 165 Crescent St., Athol, Mass.
- Sure Holt—see Holt Co.
- Swan Co., Jas. 279 Bank St., Seymour, Conn.
- Thompson Drop Forge Co., W. Main St., Plantsville, Conn.
- Utility—see Coburn Tool Co
- Warner Hammer Co., Cromwell, Conn.
- Yankee—see North Bros. Mfg. Co.

DRY BATTERIES—

see Batteries, A Dry
also Batteries, B Dry
also Batteries, C Dry

DRY CELL TUBES—

see Vacuum Tubes

DUO-LATERAL COILS—

see Coils, Inductance

EAR CUSHIONS—

see Cushions, Rubber Phone

EARTH GROUNDS—

see Rods, Ground

ELECTRIC CIGAR LIGHTERS—
see Lighters, Electric Cigar

ELECTRIC DRILLS—
see Drills, Electric Portable

ELECTRIC PORTABLE DRILLS—
see Drills, Electric Portable

ELECTRIC SOLDERING IRONS—
see Irons, Electric Soldering

ELECTRICAL TEST CLIPS—
see Clips, Electrical Test

ELECTRICAL TEST SETS—
see Sets, Electrical Testing

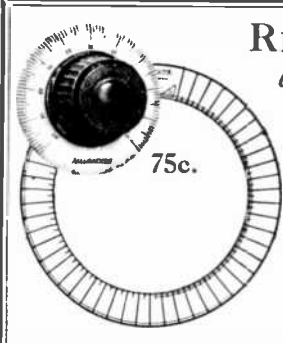
ELECTRICAL TESTING INSTRUMENTS—
see Sets, Electrical Testing

ELECTROLYTE, Storage Battery
Evercharge Battery Electrolyte Corp., 625 Broadway, New York, N. Y.
Grasselli Chemical Co., Guardian Bldg., Cleveland, Ohio
Kalbfleisch Corp., 200 Fifth Ave., New York, N. Y.
Radiolite Co., 555 University Ave., St. Paul, Minn.

ELECTROLYTIC CHARGERS—
see Rectifiers, Electrolytic

ELECTROLYTIC RECTIFIERS—
see Rectifiers, Electrolytic

ELIMINATOR KITS—
see Rectifiers, Knockdown Plate Current Supply.

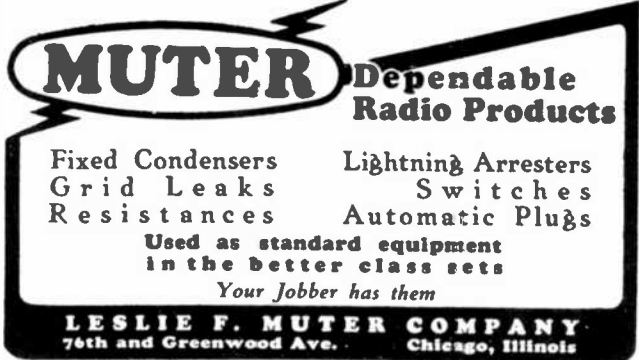


RHEOSTAT CONTROL and Station Recorder

Rheostat Control—specially designed to match up with the Accuratone on the panel of your set. Attractively engraved.

Station Recorder—graduated to carry station names, and with dial settings clearly indicated. A simple pressure of the finger will mount it.

MYDAR RADIO CO.,
19 Campbell St., Newark, N. J.
Makers of
ACCURATONE
REGISTERED TRADE MARK U.S. PAT. OFF.



MUTER Dependable Radio Products

Fixed Condensers Lightning Arresters
Grid Leaks Switches
Resistances Automatic Plugs

Used as standard equipment
in the better class sets
Your jobber has them

LESLIE F. MUTER COMPANY
76th and Greenwood Ave. Chicago, Illinois

ELIMINATORS, Battery—
see Rectifiers, Filament Current Supply
also Rectifiers, Filament and Plate Current Supply
also Rectifiers, Plate Current Supply

ELIMINATORS, Static—
see Reducers, Static

EMERY CLOTH—
see Paper, Emery

EMERY PAPER—
see Paper, Emery

ENAMELED ANTENNA WIRE—
see Wire, Enamelled Copper

ENAMELED WIRE, Stranded—
see Wire, Stranded Enamelled

ENAMELS, Baking and Air Drying—
see Lacquers, Crystallizing

END WRENCHES, Open—
see Wrenches, Open End

ENGRAVING MACHINES—
see Machines, Engraving

ENGRAVING, Panel—
see Panels, Cutters, Drillers and Engravers of

ENGRAVINGS, Transfer—
see Transfers, Decalcomania

EXPANDING CUTTERS—
see Cutters, Panel Hole

Use felt to advantage—

In a variety of uses that is getting wider every day, felt is being used to decided advantage in radio.

Here are some of them—(1) Felt that is as soft as cotton batting, for wrapping tubes and parts. (2) Other grades for loud speaker bases (3) For "feet" on sets (4) For Washers (5) For dust proof strips in cabinets.

Few people realize the many different kinds of felt there are. Let us show you their uses!

T. R. BRAWLEY

FELT SPECIALTY MANUFACTURING COMPANY
 125 12TH STREET
 BROOKLYN NEW YORK



EXTENSION CORDS—
 see Cords, Extension

EYELETS, Brass

Barrett Bindery Co., 1328 W. Monroe St., Chicago, Ill.
 Mattatuck Mfg. Co., E. Main St., Waterbury, Conn.
 Platt Bros. & Co., Waterbury, Conn.
 Stimpson Co., Edwin, 70 Franklin Ave., Brooklyn, N. Y.
 U. S. Shoe Machinery Corp., 205 Lincoln St., Boston, Mass.
 Waterbury Button Co., Waterbury, Conn.

EXTENSION JACKS—
 see Jacks, Extension

FABRIC COVERED CABINETS—

see Cabinets, Fabric

FAN COIL MOUNTINGS—

see Mountings, Fan Coil

FAN COILS—

see Coils, Inductance

FELT, Sheet

- ✓ American Felt Co., 213 Congress St., Boston, Mass. See advertisement, page 61.
- Booth Felt Co., 463 19th St., Brooklyn, N. Y.
- ✓ Brawley, T. R., 275-77 20th St., Brooklyn, N. Y. See advertisement, page 60.
- Eastern Felt Co., Canal St., Winchester, Mass.
- ✓ Western Felt Works, 4031-4117 Ogden Ave., Chicago, Ill. See advertisement, page 61.

FELT STRIPS—
 see Washers, Felt

FELT WASHERS—
 see Washers, Felt

FIBRE HORNS—
 see Horns, Composition

FIBRE PUNCHES—
 see Stampings, Fibre

FIBRE STAMPINGS—
 see Stampings, Fibre

FIBRE, Vulcanized

Sheet, Rod and Tube
 Abaroid—see Campbell Fibre Co.

Brandywine Fibre Products Co., 15th & Walnut Sts., Wilmington, Del.

Campbell Fibre Co., Stanton, Del. "Abaroid"

Continental Fibre Co., Newark, Del.

Delaware Hard Fibre Co., Wilmington, Del. "EGYPTIAN"

✓ Diamond State Fibre Co., Bridgeport, Pa. See advertisement, page 75.

Duresto—see Spaulding Fibre Co.

Egyptian—see Delaware Hard Fibre Co.

Minerals & Insulation Supplies Co., 96 Spring St., New York, N. Y.

✓ National Vulcanized Fibre Co., (Phenolic Products Division) Wilmington, Del. "Vul-Cat." See page opposite Title Page.

Spaulding Fibre Co., 308 Wheeler St., Tonawanda, N. Y. "Duresto"

Vul-Cot—see National Vulcanized Fibre Co.

Wilmington Fibre Specialty Co., Wilmington, Del.

FILAMENT BATTERIES—
 see Batteries, A Dry
 also Batteries, A Storage

FILAMENT CONTROL JACKS—
 see Jacks, Phone

FILAMENT CURRENT SUPPLY RECTIFIERS—

see Rectifiers, Filament Current Supply.
 also Rectifiers, Filament and Plate Current Supply
 also Rectifiers, Plate Current Supply

FILAMENT RHEOSTATS—
 see Rheostats, Battery

FILAMENT VOLTMETERS—
 see Ammeters and Voltmeters, Panel

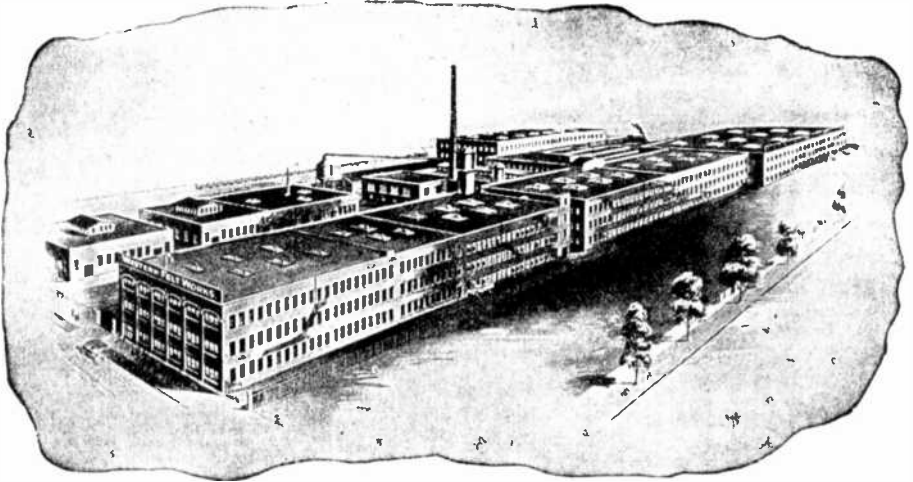
FILES, CONTACT POINT

✓ Stevens & Co., 375 Broadway, New York, N. Y. Cataloged on page 186.

FILES AND RASPS

American—see Nicholson File Co.
 Arcade—see Nicholson File Co.
 Black Diamond—see Nicholson File Co.
 Chelsea File Works, Sherman St., Norwich, Conn.
 Delta File Works, Tucker & James Sts., Philadelphia, Pa.
 Disston & Sons, H. (Tacony), Philadelphia, Pa.
 Eagle—see Nicholson File Co.
 Great Western—see Nicholson File Co.
 Groves File Co., 67 N.J.R.R. Ave., Newark, N. J.
 Hayes File Co., 1981 Franklin St., Detroit, Mich.
 J. Barton Smith—see Nicholson File Co.
 Kearney & Foot—see Nicholson File Co.
 McClellan—see Nicholson File Co.
 Murcott & Campbell, 296 Union Ave., Brooklyn, N. Y.

WESTERN FELT WORKS



The Largest Independent Felt Company

Radio manufacturers can obtain their felt here in the roll or cut to size and benefit by our huge production facilities. Entire process from converting raw wool to furnishing felt

part cut to exact size accomplished under one roof, insuring quality production and quick deliveries.

Make this your felt headquarters.

WESTERN FELT WORKS, 4031-4117 Ogden Ave., Chicago

Branch Offices: 42-44 E. 20th St., New York, N. Y.; Buhl Bldg., Detroit, Mich.; Finance Bldg., Cleveland, Ohio; 10 High St., Boston, Mass.; Postal Telegraph Bldg., San Francisco, Cal.; 604 Equitable Bldg., St. Louis, Mo.

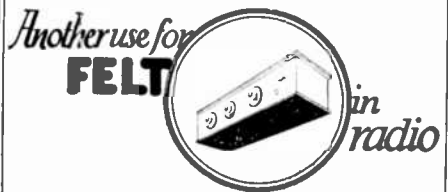
The Radio Trade Directory's List of Wholesalers

gives the names of all concerns whose Radio business is 50% or more wholesale.

Names of Managers and Buyers, territory covered, number of men traveled, amount of stock carried and much other pertinent data is also given.

It will help you solve your jobber problems.

Further particulars will be gladly furnished on request.



FELT leaves no pockmark-

A radio set completely covered with felt on the base can leave no unsightly pockmarks on handsome furniture. Felt also protects the sensitive sets from possible damage if they happen to be put down carelessly, and has excellent insulating qualities as well.

Set and parts manufacturers are only beginning to see the scores of uses to which American Felt Company's FELT is adapted in and around a radio set.

Experienced felt men at either of our branches will be glad to discuss the uses of felt in radio with manufacturers.

**American Felt
Company**

213 Congress St.
Boston



325 S. Market St.
Chicago
114 East 13th St.
New York

FILES AND RASPS**Continued**

Nicholson File Co., 23 Acorn St., Providence, R. I.
 "American," "Arcade," "Eagle" "McClellan," "Kearney & Foot," "J. Barton Smith," "Great Western," "Black Diamond"
 Simonds Mfg. Co., 470 Main St., Fitchburg, Mass.
 Trojan—see Troy File Works
 Troy File Works, 520 Congress St., Troy, N. Y.
 "Trojan"

FILLERS, STORAGE BATTERY

Reliable Parts Mfg. Co., 2819 Prospect Ave., Cleveland, Ohio
 Victor Mfg. Co., 236 W. 55th St., New York, N. Y.

FILTER COILS—

see Coils, Filter

FILTER CONDENSERS—

see Condensers, Filter

FILTER REACTORS—

see Reactors, Filter

FILTERS and CLARIFIERS, Output

Morrison Laboratories, Inc., 333 E. Jefferson Ave., Detroit, Mich.

FILTERS, Static—

see Reducers, Static

FILTERS, Wave—

see Traps, Wave

FITTINGS, Iron**Antenna Pole**

Brown, Strickler & Brown, 108 N. Jefferson St., Chicago, Ill.
 Freidag Mfg. Co., Freeport, Ill.
 Mast-Kit—see U. S. Sales Co.
 Pomona Hardware Co., 227 W. Second St., Pomona, Cal.
 U. S. Sales Co., 19 W. 44th St., New York, N. Y.
 "Mast-Kit"

FIXED CONDENSERS—

see Condensers, Fixed

FIXED GRID-LEAKS—

see Grid-Leaks, Fixed

FIXED RESISTANCES—

see Resistances, Fixed

FIXTURES—

see Jigs, Dies and Fixtures

FLAT COPPER ANTENNA WIRE—

see Wire, Flat or Strip

Copper

FLEXIBLE CORD—

see Cord, Flexible Lamp

also Cord, Flexible Tinsel

FLEXIBLE CORDS—

see Cords, Telephone

FLEXIBLE LAMP CORD—

see Cord, Flexible Lamp

FLEXIBLE TELEPHONE CORD—

see Cord, Flexible Tinsel

FLEXIBLE TINSEL CORD—

see Cord, Flexible Tinsel

FLUID, Soldering—

see Flux, Soldering

FLUX, Soldering

Acid Supply Utilities, 316 W. 24th St., Chicago, Ill.
 Allen Co., L. B., 4519 N. Lincoln St., Chicago, Ill.
 Amco—see American Solder & Flux Co.
 American Solder & Flux Co., 2910 N. 16th St., Philadelphia, Pa. "Amco"
 ✓Apex Stamping Co., Dept. D, Riverdale, Ill. "Jiffy" See advertisements, pages 9, 148, 149 and 167.
 ✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.

Benson Co., Alex. R., S. Bay Rd., Hudson, N. Y. "Yagers"

Blue Seal Chemical Co., Roselle, N. J.
 Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J. "Peerless"

Burnley Battery & Mfg. Co., Clay St., North East, Pa.
 Callahan & Co., Geo. 218 Front St., New York, N. Y.
 Crystalite—see Reade Mfg. Co.

Curry & Coutellier Laboratories, 2845 W. Ninth St., Los Angeles, Cal. "No-om"
 Dielectric Mfg. Co., Vandeventer & Duncan Aves., St. Louis, Mo.

Dunton Co., M. W., 670 Eddy St., Providence, R. I. "Nokorode"

Dutch Brand—see Van Cleef Bros.

DX Radio Research Laboratories, Crugers-on-Hudson, N. Y. "Solok"

Essex Mfg. Co., 117 Mulberry St., Newark, N. J.
 Eureka—see Grasselli Chemical Co.

Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill.

Fahlberg Mfg. Co., E. D. Madison, Wis. "Reddy Stik"

Firth Radio Corp., 25 Beaver St., New York, N. Y. "Perfecto"

Fres-Co Chemical Co., Fort Wayne, Ind.

Garden City Laboratory, 38 S. Dearborn St., Chicago, Ill.

Grasselli Chemical Co., Guardian Bldg., Cleveland, Ohio. "Eureka"

Incomparable—see Reade Mfg. Co.

Jiffy—see Apex Stamping Co.
 Jones Solder-Eze Co., 105 Tipton St., Johnson City, Tenn.

Killark Electric Mfg. Co., 3940 Easton Ave., St. Louis, Mo.

Lukens Metal Co., Thomas F., 1105 Fairmount Ave., Philadelphia, Pa.

Nokorode—see Dunton Co.

No-om—see Curry & Coutellier Laboratories

Paragon Insulating Co., 5716 Euclid Ave., Cleveland, Ohio

Peerless—see Brach Mfg. Co.

Perfecto—see Firth Radio

Reade Mfg. Co., Jersey City, N. J. "Incomparable," "Readina" "Crystalite" "Readeana"

Readeana—see Reade Mfg. Co.

Readina—see Reade Mfg. Co. Corp.

Reddy Stik—see Fahlberg Mfg. Co.

Ruby Chemical Co., 68 McDowell St., Columbus, Ohio
 Solok—see DX Radio Research Laboratories

Special Chemicals Co., Highland Park, Ill. "Speco"

Speco—see Special Chemicals Co.

Valley Forge Chemical Co., Valley Forge, Pa.

**FLUX, Soldering
Continued**

Van Cleef Bros., Woodlawn Ave. & 77th St., Chicago, Ill. "Dutch Brand"
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.
Yagers—see Benson Co.

FOIL, Aluminum

Aluminum Co., of America, Oliver Bldg., Pittsburgh, Pa.

FOIL, Tin

Grauert, R. W., 64 W. Broadway, New York, N. Y.
Johnson Tin Foil & Metal Co., 6106 South Broadway, St. Louis, Mo.
Lehmaier, Schwartz & Co., 215 E. 22d St., New York, N. Y.

FORMS, Coil Winding

✓ Arrow Hardware Corp., 27 Vestry St., New York, N. Y. See advertisement, page 150.
Crescent Radio Mfg. Co., 219 Greenwich St., New York, N. Y.
De Luxe Sales Co., 112 Trinity Pl., New York, N. Y.
Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio

FRAMES, Hack Saw

For Hack Saw Blades—see *Blades, Hack Saw*
AAA—See Atkins & Co.
Atkins & Co., E. C., S. Meridian St., Indianapolis, Ind. "AAA"
✓ Bridgeport Hardware Mfg. Corp., Dept. R, Bridgeport, Conn. "Radio-Lectric" See advertisement, page 57.
Buffum Tool Co., Louisiana, Mo.
Consolidated Tool Works, 296 Broadway, New York, N. Y. "Pilot"
Diamond Saw & Stamping Works, 357 Seventh St., Buffalo, N. Y. "Sterling"
Disston & Sons, Henry (Tacony), Philadelphia, Pa.
Goodell-Pratt Co., Wells St., Greenfield, Mass.
Midget—see Stevens & Co.
Millers Falls Co., Millers Falls, Mass.
Pilot—see Consolidated Tool Works
Radio-Lectric—see Bridgeport Hardware Mfg. Corp.
Red Devil—see Smith & Hemenway.
Smith & Hemenway, 261 Broadway, New York N. Y. "Red Devil"
Starrett Co., L. S., 165 Crescent St., Athol, Mass.

Sterling—see Diamond Saw & Stamping Works
✓ Stevens & Co., 375 Broadway New York, N. Y. "Midget" See advertisement, page 186.

FRICION TAPE—

see Tape, Insulating

FURNACES, Soldering

Fahlberg Mfg. Co., E. D., Madison, Wis. "Reddy Hot"
Reddy Hot—see Fahlberg Mfg. Co.

FUSES, Enclosed

Chase-Shawmut Co., Newburyport, Mass.
Chicago Fuse Mfg. Co., 1507 W. 15th St., Chicago, Ill. "Union"
D & W Fuse Works of General Electric Co., Bridgeport, Conn.
Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "Maximus"
Johns-Pratt Co., Hartford, Conn. "Noark"
Killark Electric Mfg. Co., 3940 Easton Ave., St. Louis, Mo.
Maximus—see Everett Radio Co.
Noark—see Johns-Pratt Co.
Union—see Chicago Fuse Mfg. Co.

FUSES, Tube

Chicago Fuse Mfg. Co., 1507 W. 15th St., Chicago, Ill. "Gem"
Davis Electric Co., Springfield, Ohio "Sentinel"
Durad—see Duraplate Co.
Duraplate Co., Summerdale Ave. & Roosevelt Rd., Philadelphia, Pa. "Durad"
Gem—see Chicago Fuse Mfg. Co.
Radeco—see Radio Equipment Co.
Radio Equipment Co., 20 Stuart St., Boston, Mass. "Radeco"
Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio
Rusonite Products Corp., 15 Park Row, New York, N. Y.
Sentinel—see Davis Electric Co.
Stanley Radio Co., 2947 Lorain Ave., Cleveland, Ohio

GAGES, Mounting—

see Jigs, Mounting

**GALENA
CRYSTALS—**
see Crystals

**GALVANOMETERS,
Testing**

Cambridge & Paul Instrument Co. of America, Grand Central Terminal, New York N. Y.
Thermo—see Weston Electrical Instrument Corp.
Weston Electrical Instrument Corp., 36 Weston Ave., Newark, N. J. "Thermo"

**GAPS, Adjustable
Spark**

American Radio & Research Corp., 205 College Ave., Medford, Hillside, Mass. "Amrad"
Amrad—see American Radio & Research Corp.
Beeko—see Bunnell & Co.
Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. "Beeko", "Mascot", "Dandy", "Jove"
Dandy—see Bunnell & Co.
Jove—see Bunnell & Co.
Mascot—see Bunnell & Co.
Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

GAPS, Rotary Spark

Beeko—see Bunnell & Co.
Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. "Beeko", "Dandy", "Jove"
Dandy—see Bunnell & Co.
Jove—see Bunnell & Co.
Mascot—see Bunnell & Co.

**GARSITE
CRYSTALS—**
see Crystals**GENERATORS, High
Frequency**

Electric Specialty Co., 215 South St., Stamford, Conn. "Esco"
Esco—see Electric Specialty Co.
Western Electric Co., 100 E. 42d St., New York, N. Y.

**GLASS BATTERY
JARS—**

see Jars, Glass Battery

**GLASS BATTERY
TRAYS—**

see Trays, Glass Battery

GLASS CABINETS
see Cabinets, Glass

DURHAM

Variable High Resistors

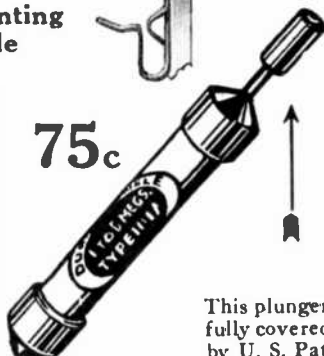
\$1⁰⁰



Panel Mounting
Variable

Air tight seals protect high resistance material. Plunger makes positive contact. Will fit all grid leak clips or for panel mounting.

75c



This plunger fully covered by U. S. Pat.

No. 101. 1/10 to 5 Megohms
No. 201-A. 2 to 10 Megohms
No. 100. 1000 to 100,000 ohms

DURHAM—Metalized



Perfection in high resistance design. Used exclusively by Zenith, Howard, Thompson, Eagle Eiseman, Bosch and many others. Each unit individually tested. Accuracy guaranteed.

¼ to 10 Megs \$.90
12,000 to ¼ Megs \$.60

DURHAM & CO., Inc.
1930 Market St., Philadelphia

GLASS DIALS—
see Dials, Glass

GLASS INSULATORS—
see Insulators, Glass

GLASS PANELS—
see Panels, Glass

GLASS SOCKETS—
see Sockets, Vacuum Tube

GLASS TEST TUBES—
see Tubes, Glass B Battery

GLASS TUBING—
see Tubing, Glass

GOLD PLATED ANTENNA WIRE—
see Wire, Gold Plated Antenna

GRID CONDENSERS—
see Condensers, Fixed

GRID-LEAK CLIPS—
see Holders, Grid-Leak

GRID-LEAK HOLDERS—
see Holders, Grid-Leak

GRID-LEAK MOUNTINGS—
see Holders, Grid-Leak

GRID-LEAKS, Adjustable—
see Grid-Leaks, Variable

GRID-LEAKS, Fixed
Aerodyn Co., 1780 Broadway, New York, N. Y. (Sole Distributors for Tridot Electric Co., New York, N. Y.)
✓Acrovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
Ajax—see Philmore Mfg. Co.
✓Apco Mfg. Co., (Radio Division), Providence, R. I. 105.
✓Arbee Mfg. Co., 68 Springfield Ave., Newark, N. J. See advertisement, page 106.
Cole Radio Mfg. Corp., 535 Bloomfield Ave., Bloomfield, N. J. "Meggit"
✓Danziger-Jones, Inc., Dept. D, 25 Waverly Pl., New York, N. Y. "Telomeg" See advertisement, page 118.

**GRID-LEAKS, Fixed
Continued**

- Daven Radio Corp., 158 Summit St., Newark, N. J.
De Jur Products Co., 199 Lafayette St., New York, N. Y.
Duray Radio Corp., 31 Clinton St., Newark, N. J.
✓Durham & Co., 1934 Market St., Philadelphia, Pa. Cataloged on page 61.
Eagle Electric Mfg. Co., 38 S. Eighth St., Brooklyn, N. Y.
Electrad, Inc., 428 Broadway, New York, N. Y.
Euracho—see European Radio Co.
European Radio Co., 1342 E. 22d St., Brooklyn, N. Y. "Euracho"
Federal Telephone Mfg. Corp., Buffalo, N. Y.
Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
Gem—see Wireless Products Corp.
Goerdes Co., Fred M., 81 Mt. Prospect Ave., Newark, N. J.
Gotham Radio Corp., 50 Park Pl., New York, N. Y.
Haydon & Haydon, 73 Warren St., New York, N. Y.
✓Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130 A.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
Maltz Electric Co., 158 Belmont Ave., Newark, N. J.
Master Radio Instrument Co., 153 Wright St., Newark, N. J. "Masto"
Masto—see Master Radio Instrument Co.
Meggit—see Cole Radio Mfg. Corp.
Micomold Radio Corp., 1087 Flushing Ave., Brooklyn, N. Y.
Mountford, C. E., 463 Greenwich St., New York, N. Y.
✓Muter Co., Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
✓Pacnet Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
Poly—see Polymet Mfg. Corp.
✓Polymet Mfg. Corp., 599-601 Broadway, New York, N. Y. "Poly" See advertisement, page 109.
Prague Radio Co., 40 St. Clair Pl., New York, N. Y.
Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
Royalty—see Wireless Products Corp.
Standard Radio Corp., 61 Jackson St., Worcester, Mass.

- Telomeg—see Danziger-Jones, Inc.
Tridot Electric Co.—see Aerodyne Co.
Un-X-Ld—see Forman & Co.
✓Wireless Products Corp., 362 Broadway, New York, N. Y. "Gem" "Royalty" See advertisement, page 108.

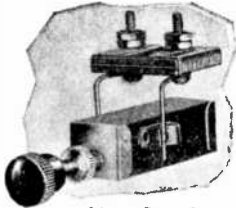
GRID-LEAKS, Variable

- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis. "Bradleyleak"
Amplex Instrument Laboratories, 88 W. Broadway, New York, N. Y.
Audihom—see Electrad, Inc.
Boone Radio Corp., J. F., 3469 E. Jefferson Ave., Detroit, Mich.
Bradleyleak—See Allen-Bradley Co.
Brady Co., A. C., 240 W. 40th St., New York, N. Y.
✓Burton - Rogers Co., 26 Brighton Ave., Boston, Mass. "Volt-X" See advertisement, page 9.
Central Radio Laboratories, 301 16th St., Milwaukee, Wis. "Centralab"
Centralab—see Central Radio Laboratories
C-H—see Cutler-Hammer Mfg. Co.
✓Chelten Electric Co., Philadelphia, Pa. See advertisement, page 43.
✓Collyt Laboratories, R. C., 565 Washington Blvd., Chicago, Ill. See advertisement, page 66.
Cutler-Hammer Mfg. Co., Milwaukee, Wis. "C-H"
De Jur Products Co., 199 Lafayette St., New York, N. Y.
✓Durham & Co., 1934 Market St., Philadelphia, Pa. Cataloged on page 64.
D-X Instrument Co., Harrisburg, Pa. "Fil-Ko-Leak"
Eagle Electric Mfg. Co., 38 S. Eighth St., Brooklyn, N. Y.
Electrad, Inc., 428 Broadway, New York, N. Y. "Variohm" "Audihom"
Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Eria"
Erla—see Electrical Research Laboratories
Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Pall Mall"
Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "Precision"
Fil-Ko-Leak—see D-X Instrument Co.
Firth Radio Corp., 25 Beaver St., New York, N. Y.
Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

- Haydon & Haydon, 73 Warren St., New York, N. Y.
H & H—see Hart & Hegeman Mfg. Co.
✓Jones Radio Mfg. Co., Joa. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
Mar-Co—see Martin-Copeland Co.
✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
Mountford, C. E., 463 Greenwich St., New York, N. Y.
New York Coll Co., 338 Pearl St., New York, N. Y.
Nonoise—see Radio Foundation, Inc.
North American Bretwood Co., 505 Broadway, New York, N. Y.
Pall Mall—see Essex Mfg. Co.
Prague Radio Co., 40 St. Clair Pl., New York, N. Y.
Precision—see Everett Radio Co.
✓Radio Foundation, Inc., 25 W. Broadway, New York, N. Y. "Nonoise" See advertisement, page 175.
Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
Royalty—see Wireless Products Corp.
Strand Electrical Apparatus, 170 Pleasant St., Malden, Mass.
Turn-It Radio Sales, Inc., 71 Murray St., New York, N. Y.
Un-X-Ld—see Forman & Co.
Variohm—see Electrad, Inc.
Volt-X—see Burton-Rogers Co.
Walnart Electric Mfg. Co., 308 Green St., Chicago, Ill.
✓Wireless Products Corp., 362 Broadway, New York, N. Y. "Royalty" See advertisement, page 108.
✓Wright Radio Co., 144 Exchange St., Rockland, Mass. See advertisement, page 95.

**GRINDERS, Electric—
see Drills, Electric****GROMMETS, Brass—
see Eyelets, Brass****GROUND CLAMPS—
see Clamps, Ground****GROUND FITTINGS—
see Rods, Ground**

Increase Distance, Volume and Clarity



(3391)

\$1.00 Complete

"Colytt" adjustable grid leak improves receiving. Gives proper value of leak in grid circuit, and holds it. Simple, compact, easy to install, only one hole in panel. Tunes any tube perfectly. Try the "Colytt" on money-back guarantee, \$1.00 complete, with full directions.

R. C. Colytt Laboratories
565 Washington Blvd., Chicago

GROUND RODS— see Rods, Ground

GROUND WIRE— see Wire, Rubber Covered

GROUNDING BOXES— see Boxes, Ground

GROUNDS, Drive— see Rods, Ground

GUY ANCHORS— see Anchors, Guy

HACK SAW BLADES— see Blades, Hack Saw

HACK SAW FRAMES— see Frames, Hack Saw

HAMMERS, Machinists
Bridgeport Hardware Mfg. Corp., Dept. R, Bridgeport, Conn. "Radio - Lectric" See advertisement, page 57.
Buffum Tool Co., Louisiana, Mo.
Maydole Hammer Co., David, 45 Lackawanna Ave., Norwich, N. Y.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"
Pexto—see Peck, Stow & Wilcox Co.
Radio-Lectric — see Bridgeport Hardware Mfg. Corp.
Smith & Co., H. D., Plantsville, Conn.

Stanley Works (Special Productions Dept.), Grove & Hill Sts., New Britain, Conn.
Warner Hammer Co., Cromwell, Conn.

HAND DRILLS— see Drills, Hand & Breast

HAND VISES— see Vises, Hand

HARD RUBBER— see Rubber, Hard

HARD RUBBER DIALS— see Dials, Rubber

HARD RUBBER INSULATORS— see Rubber, Hard

HARD RUBBER VARIOCOUPERS— see Variocouplers

HARD RUBBER VARIOMETERS— see Variometers

HARNESSES— see Cables, Multiple Battery

HEAD BAND COVERS— see Covers, Leather or Fabric Head Band

HEAD BANDS— see Bands, Head

HEAD-SETS, Complete

Advance Radio Mfg. Co., 1420 S. Michigan Ave., Chicago, Ill.
Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
Ambassador Sales Co., 108 Greenwich St., New York, N. Y.
American Electric Co., 6401 S. State St., Chicago, Ill.
"Army and Navy" "Key-stone" "Victor" "Swedish-American"
Ampl-Tone—see Union Fabric Co.
Aristocrat — see Dictograph Products Corp.
Army and Navy—see American Electric Co.
Auth Electrical Specialty Co., 422 E. 53d St., New York, N. Y.
Baker-Smith Co., Call Bldg., San Francisco Cal., (Sole Distributors for Bel-Canto Radio & Telephone Equipment Co., New York, N. Y.)
Baldwin, Nathaniel, 3474 S. 23d East St., Salt Lake City, Utah
Basco—see Briggs & Stratton Co.
Bee-Zee Products Co., 511 Chapel St., New Haven, Conn.
Bel-Canto Radio & Telephone Equipment Co.—see Baker-Smith Co.
Benwood-Linze Co., 1129 Olive St., St. Louis, Mo.
Berstan Radio Products Co., Springfield, Mass.
Berwick—see Triangle Electro Trading Co.
Best Mfg. Co., 75 Hudson St., Newark, N. J.
Bestone—see Hyman & Co.
Big Three Radio Corp., 16 Hudson St., New York, N. Y.
Brandes Products Corp., 233 Broadway, New York, N. Y.
Branston, Chas. A., 813 Main St., Buffalo, N. Y.
Briggs & Stratton Co., Milwaukee, Wis. "Basco"
Camco Cannon-Ball — see Cannon & Miller Co.
Camco Grand—see Cannon & Miller Co.
Cannon & Miller Co., Springwater, N. Y. "Camco Cannon-Ball" "Camco Grand"
Churry Mfg. Co., Moss, 2011 Franklin St., Detroit, Mich.
CIC—see Connecticut Instrument Co.
Clarion — see Radio Supply Co.
Connecticut Instrument Co., 219 South St., Stamford, Conn. "CIC"
Connecticut Telephone & Electric Co., 70 Britannia St., Meriden, Conn.
Cory & Son, Chas., 183 Varlick St., New York, N. Y.
De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
De Luxe — see International Radio Telephone Apparatus Co.

HEAD-SETS, Complete Continued

- Delta Electric Co., Nebraska & 33d Sts., Marion, Ind. "Gold Stripe"
- Dependable — see Trimm Radio Mfg. Co.
- Dictograph Products Corp., 220 W. 42d St., New York, N. Y. "Aristocrat"
- Duraphones — see Warren Radio Phone Mfg. Co.
- Dymac — see Electrical Products Mfg. Co.
- Elsemann Magneto Corp., 165 Broadway, New York, N. Y.
- Electrical Apparatus Co., 5922 Commonwealth Ave., Detroit, Mich.
- Electrical Products Mfg Co., 69 Sprague St., Providence, R. I. "Dymac"
- Elwood Electric Co., 990 Housatonic Ave., Bridgeport, Conn.
- Essex Mfg. Co., 117 Mulberry St., Newark, N. J.
- Everytone—see Pacent Electric Co.
- Excello — see Rex Radio Works
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Friedlander-Koppler Radio Service, 149 Church St., New York, N. Y. "Welbilt"
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Globe Phone Mfg. Co., Reading, Mass.
- Gold Stripe—see Delta Electric Co.
- Goldschmidt Corp., Th., 15 William St., New York, N. Y. "N & K" (Importers) See advertisement, page 144.
- Hamburg Bros., 420-22 Seventh Ave., Pittsburgh, Pa. "Pennsylvania" See advertisement, page 67.
- Hart & Hegeman Mfg Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Hartford Metal Products Co., 112 Allyn St., Hartford, Conn.
- Haynes-Griffin Radio Service —see Tested Radio Products
- H & H—see Hart & Hegeman Mfg. Co.
- Holtzer-Cabot Electric Co., 125 Amory St., Boston, Mass. "National" See advertisement, page 111.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- International Radio Telephone Apparatus Co., 395 Broadway, New York, N. Y. "De Luxe"
- Inter-Ocean Radio Corp., 205 Tenth St., Jersey City, N. J.
- Jolly Radio Co., 279 Sixth Ave., New York, N. Y.
- Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Buck Cover.
- Kennedy Co. — see Kennedy Corp.

"Pennsylvania" Radio Products



Type E-25. List \$3.50



Type B-20 Pennsylvania Harmonized Head-Set. List \$2.75



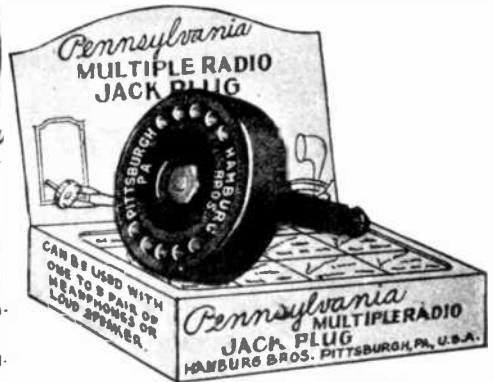
Type A with non-adjustable unit. List \$9.00

Type AA with adjustable unit. List \$10.00

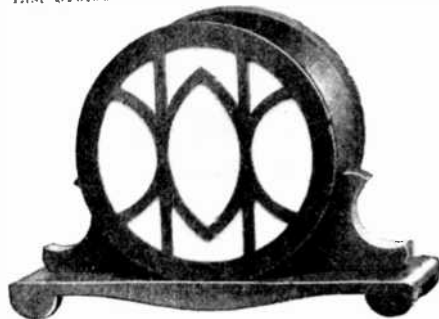


Type G with adjustable unit. List Price \$12.50

The Pennsylvania Headsets and reproducing units are the finished products of engineers who have specialized on such items for years. Regardless of the very low list prices and the very liberal discounts that we offer, you will certainly be surprised to notice such fine quality in the Pennsylvania Line.



Bakelite List \$1.00



Pennsy "Mantlepiece" Speaker. List Price \$22.50

Write for our interesting proposition.

Order samples on memo.

HAMBURG BROTHERS

420-422 Seventh Ave. Pittsburgh, U. S. A.

"SENSORY"
Est. 1888

RADIO **ACCESSORIES**

HEINEMANN ELECTRIC CO.
PHILADELPHIA, PA.

<p>Vernier Dials Lightning Arrestors Battery Switches Panel Mounting Switches Screw Eye Insulators</p>	<p>Sockets Ground Clamps Lightning Switches Insulators Charger Switches</p>
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DISTRICT REPRESENTATIVES

<p>Hatheway & Co. New York City R. L. Lewis Co. Boston, Mass. S. H. Storer Co. Pittsburgh Factory Sales Co. Cleveland Nickelson Sales Co. Louisville F. A. Krus, Jr. Detroit</p>	<p>H. P. Smith Co. Minneapolis W. H. Dyer & Co. St. Louis Wesco Co., Inc. Denver A. S. Knight Seattle R. B. Voitle San Francisco Henger-Seltzer Co. Los Angeles</p>
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HEAD-SETS, Complete Continued

- Kennedy Corp., Colin B., 2017 Locust St., St. Louis, Mo. (Sole Selling Agents for Colin B. Kennedy Co., St. Louis, Mo.)
- Keystone — see American Electric Co.
- Kodol Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Quality"
- Lark—see Leich Electric Co.
- Leich Electric Co., Genoa, Ill. "Lark"
- Litewate — see Premier Electric Co.
- Little Gem — see Triangle Electro Trading Co.
- Little Tattler—see Marinette Electric Co.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y. "Red Seal"
- Marinette Electric Corp., Marinette Wis. "Little Tattler"
- ✓Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for Viodyne Head-sets) See advertisement, page 139.
- Metro—see Pal Sales Corp.
- More Tone Radio Co., 361 E. Ohio St., Chicago, Ill.
- Moss-Schury Mfg. Co., 2015 Franklin St., Detroit, Mich.
- ✓Murlock Co., Wm. J., 430 Washington Ave., Chelsea, Mass. See advertisement, page 121.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- National — see Holtzer-Cabot Electric Co.
- Newton Pressed Steel & Mfg. Co., 13 Hawthorne St., Newton, Mass. "New-Tone"
- New-Tone — see Newton Pressed Steel & Mfg. Co.
- N & K — see Goldschmidt Corp.
- Ohio Radio Mfg. Co., 312 High Ave., Cleveland, Ohio
- Orator Radio Corp., 54th St. & Broadway, New York, N. Y.
- ✓Pacient Electric Co., 91 Seventh Ave., New York, N. Y. "Everytone" See advertisements, pages 97 and 157.
- Pal Radio Co.—see Pal Sales Corp.
- Pal Sales Corp., Tube Concourse Bldg., Jersey City, N. J. (Sole Sales Representatives for Pal Radio Corp., Jersey City, N. J.) "Metro"
- Peerless — see United Radio Corp.
- Penberthy Injector Co., Detroit, Mich. "Pico"
- Pennsylvania—see Hamburg Bros.
- Perfectione — see Teleradio Engineering Corp.
- Pico—see Penberthy Injector Co.
- Ports Mfg. Co., 3305 Belmont Ave., Fresno, Cal. "Prmo"
- Potter Tool & Machine Works, 79 E. 130th St., New York, N. Y.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Litewate"

TUNE-RITE
50% STRAIGHT LINE — 50% FREQUENCY BAND

The Season's Most Sensational Seller

A Self-Adjusting Station Separator

The Tune-Rite Dial converts any ordinary condenser to straight-line-frequency characteristics. Beautifully finished in black and gold. Absolutely guaranteed.

LIST PRICE \$3.50.

Manufactured by
RADIALL COMPANY
50-52 Franklin Street, New York.
Write Dept. RTD1 for a really profitable sales proposition.



Manufacturers:

RADIO RETAILING and THE RADIO TRADE DIRECTORY furnish mediums for the two kinds of trade advertising that every radio manufacturer needs. Let RADIO RETAILING carry your educational sales advertising to all your prospects and put your catalog in THE RADIO TRADE DIRECTORY where it will be instantly available to the buyer.

Parts that make profits— are parts that stop leaks!

New!
**RASLA
MAR-CO**

3tube KIT

Leaks—*energy* leaks—
must be stopped—if
the set builder is to get
the results he should!

And radio fans today
are beginning to realize
that fully half the effi-
ciency of *any* circuit
depends on a careful
selection of parts,—
parts designed to *con-*
serve radio energy—to
stop leaks!

MAR-CO radio instru-
ments are built by a
maker with 45 years'
experience in scientific,
precision methods.
MAR-CO parts cut
down energy losses—
and every fan who has
used *one* MAR-CO part
—looks to MAR-CO
for the same leak-proof
precision in other in-
struments!

THE immensely popular
Improved Rasla Reflex
now comes in Kit form!
This Kit contains the correct
MAR-CO and Rasla parts
— matched together — and
sealed with the personal ap-
proval of J. Clyde Davidson,
perfector of the Rasla
Reflex, \$40.00 worth of
parts in a sealed Kit that
lists for \$37.50!

Ask your MAR-CO jobber,
or write direct, for details
of this Kit and the entire
MAR-CO line.

**MARTIN-COPELAND
COMPANY**

Providence, R. I.

Branch Offices in

NEW YORK CHICAGO
BOSTON SAN FRANCISCO

Leaks—*expense* leaks
—must be stopped—if
the radio dealer is to get
the profits he should!

And far-seeing dealers
today are beginning to
realize that the secret
of a profitable parts
business is to *conce-*
trate on a *few complete*
lines of well advertised,
quality parts.

MAR-CO is the most
complete line of pre-
cision parts in radio.
MAR-CO parts are
handsomely finished,
attractively packed,
and thoroughly adver-
tised! Make MAR-CO
the backbone of your
parts department—cut
out needless duplica-
tion—needless expens-
leaks—and count on
mounting *net* profits.

MAR-CO

Parts of Precision

Compressed Wood Horns

Wood fibre, compressed under twelve tons pressure, develops tone qualities far superior to ordinary wood or various compounds. Manufactured in any design for cabinet and bell-type loud speakers. We will gladly prove our claims with any unit.

"A set is no better than its loud speaker."

COMPRESSED WOOD CORP.
345 W. Austin Ave., CHICAGO

**HEAD-SETS, Complete Continued**

Pmco—see Ports Mfg. Co.
Professional — see Trim m Radio Mfg. Co.
Quality — see Kodol Radio Corp.
Radio Corp. of America, 223 Broadway, New York, N.Y.
Radio Industries Corp., 131 Duane St., New York, N.Y. "Rico"
Radio Supply Co., Hornell, N. Y. "Clarion"
Radioceiv Mfg. Co., 368 Jelliff Ave., Newark, N. J.
Radiotive Corp., 5317 21st Ave., Brooklyn, N. Y.
Red Seal — see Manhattan Electrical Supply Co.
Rex Radio Works, 1820 Montrose Ave., Chicago, Ill. "Excello"
Rico — see Radio Industries Corp.
Roller-Smith Co., 233 Broadway, New York, N. Y.
Royal Electrical Laboratories, 109 Tichenor St., Newark, N. J. "Royalphone"
Royalphone—see Royal Electrical Laboratories.
Schwarze Electric Co., E. Church St., Adrian, Mich.
✓Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 144.
Spltdorf — Bethlehem Electrical Co., 392 High St., Newark, N. J.
Sraco — see Standard Radio Corp.
Standard Radio Corp., 227 W. Madison St., Chicago, Ill. "Sraco"
Steinmetz Wireless Mfg. Co., 5968 Baum Blvd., Pittsburgh, Pa.
Stoddard Telephone Construction Co., Front & Bridge Sts., Monroe, Mich.
Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
Sunlight Lamp Co., Newton Falls, Ohio
Swedish-American—see American Electric Co.
T-B-H Corp., Dansville, N. Y. "Viodyne."
✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. "Perfectone" Cataloged on page 142.

✓Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
Tower Mfg. Corp., 98 Brookline Ave., Boston, Mass.
Triangle Electro Trading Co., 632 Broadway, New York, N. Y. "Berwick" "Little Gem"
Trim m Radio Mfg. Co., 24 S. Clinton St., Chicago, Ill. "Dependable" "Professional"
True Tone Radio Mfg. Co., 186 N. La Salle St., Chicago, Ill.
Union Fabric Co., Derby, Conn. "Ampl-Tone"
United Radio Corp., 115 Caledonia St., Rochester, N. Y. "Peerless"
Victor — see American Electric Co.
Viodyne—see T-B-H Corp.
Warren Radio Phone Mfg. Co., Warren, R. I. "Durophones"
Wayland Radio Mfg. Co., Wayland, N. Y.
Weibilt — see Friedlander — Kopple Radio Service
Western Electric Co., 100 E. 42d St., New York, N. Y.
White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.

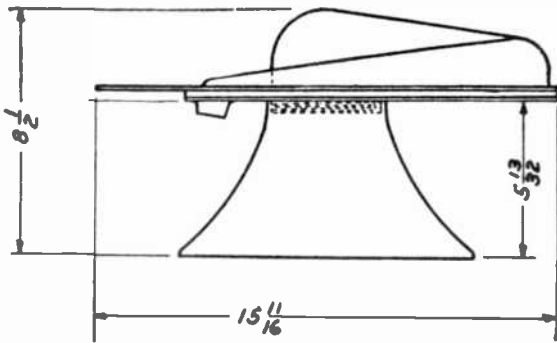
HEAD TELEPHONES—
see Head-Sets**HEXAGON NUTS—**
see Nuts, Brass**HIGH FREQUENCY BUZZERS—**
see Buzzers, High Frequency**HIGH FREQUENCY GENERATORS—**
see Generators, High Frequency.**HINGES, Cabinet—**
see Hinges, Continuous

HINGES, Continuous
Bronson Co., Homer D., Beacon Falls, Conn.
Ramsey Co., Charles, Kingston, N. Y.
Root Co., Bristol, Conn.

HOLDERS, Coil—
see Mountings, Coil

HOLDERS, Crystal
Bestone—see Hyman & Co.
De Jur Products Co., 199 Lafayette St., New York, N. Y.
Hearwell Electric Co., 53 Devonshire St., Boston, Mass.
Howe & Co., C. W., 21 E. Van Buren St., Chicago, Ill. Sole Distributors for Tuerck Mfg. Co., Chicago, Ill. "Radiophon"
Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"
Miller Radio Co., A. H., 1259 W. Grand Blvd., Detroit, Mich.
Muzada — see Mazda Radio Mfg. Co.
Radiophon—see Howe & Co.
Tuerck Mfg. Co.—see Howe & Co.
United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
Waterbury Mfg. Co., Waterbury, Conn.
Wonder State Crystal Co., Bathurst Bldg. Little Rock, Ark.

HOLDERS, Grid-Leak
✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
Ajax—see Philmore Mfg. Co.
Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
Cole Radio Mfg. Corp., 535 Bloomfield Ave., Bloomfield, N. J. "Meggit"
Daven Radio Corp., 158 Summit St., Newark, N. J.
✓Durham & Co., 1936 Market St., Philadelphia, Pa. Cataloged on page 64.
Eagle Electric Mfg. Co., 38 S. Eighth St., Brooklyn, N. Y.
Electrad, Inc., 428 Broadway, New York, N. Y.
Euracho — see European Radio Co.
European Radio Co., 1342 E. 22d St., Brooklyn, N. Y. "Euracho"
Federal Telephone Mfg. Corp., Buffalo, N. Y.
General Mfg. Co., 6637 Cottage Grove Ave., Chicago, Ill.



A Miller Horn For Every Radio Purpose

The Miller line of Radio Horns includes 37 different models. They are carefully designed and made of a composition which, being inert, practically eliminates horn distortion and vibration.

We can meet your horn requirements with a high quality product at a competitive price. We can deliver any quantity on short notice. *Write for full details.*

The Miller Rubber Company
of N. Y.

Akron

Ohio

HOLDERS, Grid-Leak Continued

- Goerdes Co., Fred M., 31 Mt. Prospect Ave., Newark, N. J.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- H & H—see Hart & Hegeman Mfg. Co.
- Hilco—see Hill Mfg. Co.
- Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco"
- ✓Kenman Electric Co., 296 Broadway, New York, N.Y. See advertisement, page 130A.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Meggitt—see Cole Radio Mfg. Corp.
- ✓Muter Co., Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
- Philmore Mfg. Co., 165 Chambers St., New York, N. Y. "Ajax"
- ✓Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. "Stasco" See advertisement, page 95.
- Stasco—see Sheffield Trimming & Stamping Corp.
- Superior Coil Co. Harwichpoint, Mass.
- Tridot Electric Co., 16 Hudson St., New York, N. Y.
- United Radio Mfg. Co., 191 Greenwich St., New York, N. Y. "Victory"
- Victory—see United Radio Mfg. Co.

- HOLDERS, Machine Screw—see Clamps, Machine Screw

- HOLDERS, Plate Condenser—see Holders, Grid Leak

- HOLDERS, Resistance—see Holders, Grid Leak

- HONEYCOMB COIL MOUNTINGS—see Mountings, Coil

- HONEYCOMB COILS—see Coils, Inductance

- HONEYCOMB INDUCTANCE COILS—see Coils, Inductance

- HORNS, Composition Apollo—see Seaman-Jones Fibre Products Co.
- Dodge Sound Amplifiers, Inc., 506 S. Ninth Ave., Mt. Vernon, N. Y.

- Exceltone Radio Mfg. Corp., 344 E. 32d St., New York, N. Y.
- Fiber Products Co., 235 Elizabeth Ave., Newark, N. J.
- ✓Hamburg Bros., 420-22 Seventh Ave., Pittsburgh, Pa. "Pennsylvania" See advertisement, page 67.
- Hardscog Mfg. Co., Ottumwa, Iowa
- Hawley—see Newcomb-Hawley, Inc.
- Inter-Ocean Radio Corp., 205 Tenth St., Jersey City, N. J. "Woodehorn"
- Lenford, Inc., 408 W. 27th St., New York, N. Y.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Qualitone" "Muzada"
- Muzada—see Mazda Radio Mfg. Co.
- ✓Newcomb-Hawley, Inc., 160 N. La Salle St., Chicago, Ill. "Hawley." See advertisement, page 145.
- Newhall Chain Forge & Iron Co., 90 West St., New York, N. Y.
- ✓Parcells & Co., 68 W. Washington St., Chicago, Ill. See advertisement, page 144.
- Pennsylvania—see Hamburg Bros.
- Qualitone—see Mazda Radio Mfg. Co.
- ✓Reichmann Co., 1725-39 W. 74th St., Chicago, Ill. "Thorlts" See Back Cover.
- Seaman-Jones Fibre Products Co., 800 Weed St., Chicago, Ill. "Apollo"
- Thorlts—see Reichmann Co.

The Scranton Glass Instrument Co.

*Covers
the Complete Field
of Hydrometers*

\$1.00 to 65c. LIST

Kant-Stick Battery Testers—Extra heavy glass-walled; float cannot lean or stick; all rubber parts acid proof—\$1.00 List.

Scranton Battery Testers—Four color scale, easy to read; patented blue pronged float prevents sticking—85c. List.

Ayanbee Battery Testers—Tests both "A" and "B" storage batteries—75c. List.

Sturdy Battery Testers—Made strong for hard service—65c. List.

All instruments triple-tested

Get in touch with your Jobber TODAY

**The SCRANTON
Glass Instrument Co., Inc.**
Scranton, Penna.

The Radio Trade Directory's List of Wholesalers

gives the names of all concerns whose Radio business is 50% or more wholesale.

Names of Managers and Buyers, territory covered, number of men traveled, amount of stock carried and much other pertinent data is also given.

It will help you solve your jobber problems.

*Further particulars will be
gladly furnished on request.*

The Radio Trade Directory

HORNS, Composition Continued

Winterath Composition Amplifier Co., 405 Evergreen Ave., Brooklyn, N.Y.
"Wundatone"
Woodehorn—see Inter-Ocean Radio Co.
Wundatone—see Winterath Composition Amplifier Co.

HORNS, Fibre—

see Horns, Composition

HORNS, Impregnated Textile

Belltone Radio Corp., 81 Crosby St., New York, N.Y.
Maco, Sr.—see Macy & Co.
Macy & Co., 66 Greene St., New York, N.Y. "Maco, Sr."
Racon Electrical Co., 14 Greene St., New York, N.Y.

HORNS, Metal

Breco—see Bronx Radio Equipment Co.
Bronx Radio Equipment Co., 687 Courtland Ave., New York, N.Y. "Breco"

Daniel Specialty Co., 5232 Melrose Ave., Los Angeles, Cal.
Standard Metal Mfg. Co., 237 Chestnut St., Newark, N.J.
Steinen & Co., William, 293 Washington St., Newark, N.J.

HORNS, Papier Mache

Best Radio Horn Mfg. Co., 398 First Ave., New York, N.Y.

HORNS, Pressed Paper—

see Horns, Papier Mache

HORNS, Rubber

American Hard Rubber Co., 11 Mercer St., New York, N.Y. "Radion"
✓**Miller Rubber Co. of N. Y.**, S. High St., Akron, Ohio
See advertisement, page 71.
Radion—see American Hard Rubber Co.

HORNS, Wood

✓**Compressed Wood Corp.**, 345 W. Austin Ave., Chicago, Ill. See advertisements, pages 70 and 142.
Granolite Corp., 222 Fourth St., Milwaukee, Wis.

HYDROMETER SYRINGES—

see Hydrometers, Battery Testing

HYDROMETERS, Battery Testing

Acid Supply Utilities, 316 W. 24th St., Chicago, Ill.

"Smash Pruf"

Ala Mfg. Co., 401 S. Sangamon St., Chicago, Ill.

Arcoe Thermometer Co., 290 Fifth Ave., New York, N.Y.

Ayanbee—see Scranton Glass Instrument Co.

Battery Equipment & Supply Co., 1638 S. Wabash Ave., Chicago, Ill. "Besco"

Beck Co., Oscar, 280 Maujer St., Brooklyn, N.Y.

Besco—see Battery Equipment & Supply Co.

Bilrite Motor Equipment Co., 145 W. 63d St., New York, N.Y. "Topsall"

Break-Not—see Edelmann & Co.

✓**Chaslyn Co.**, 3815 Ravenswood Ave., Chicago, Ill. "S O S" See advertisement, page 99.

Edelmann & Co., E. 2332 Logan Blvd., Chicago, Ill. "Break-Not"

✓**Frens Glass Works, Francis L.**, Conshohocken, Pa. See advertisement, page 73.

Genco—see General Scientific Equipment Co.

**HYDROMETERS,
Battery Testing
Continued**

- General Scientific Equipment Co., North Philadelphia, Pa. "Genco"
 Hafner Mfg. Co., 3128 Carroll Ave., Chicago, Ill.
 Hamilton Glass Instrument Co., Alexander, Conshohocken, Pa.
 Industrial & Scientific Instrument Co., 9 N. Fifth St., Philadelphia, Pa. "Reliance"
 Kant-Stick — see Scranton Glass Instrument Co.
 Moeller, A. E., 261 Sumpter Ave., Brooklyn, N. Y.
 Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
 Reliance — see Industrial & Scientific Instrument Co.
 Rieker Instrument Co., 1919 Fairmount Ave., Philadelphia, Pa.
 ✓Scranton Glass Instrument Co., Scranton, Pa. "Kant-Stick" "Ayanbee" "Sturdy" See advertisement, page 72.
 Smash Pruf—see Acid Supply Utilities
 S O S—See Chaslyn Co.
 Sturdy—see Scranton Glass Instrument Co.
 Testrite Instrument Co., 101 Fifth Ave., New York, N. Y.
 Topsall — see Biltrite Motor Equipment Co.
 Victor Mfg. Co., 236 W. 55th St., New York, N. Y.
 WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

**IMPREGNATED
HORNS—**

see Horns, Impregnated Textile

**IMPREGNATING
COMPOUNDS—**

see Compounds, Impregnating

**IMPREGNATING
MACHINES—**

see Machines, Coil Impregnating

INDOOR AERIALS—

see Aerials, Indoor

**INDUCTANCE
COILS—**

see Coils, Inductance

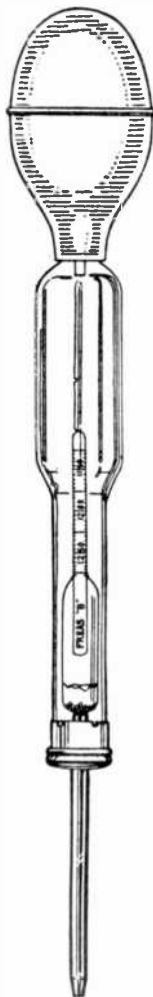
FREAS

Battery Testers

MADE to U. S. Bureau of Standard Specifications by America's largest manufacturers of Hydrometers. We make our own floats, test and scale the instruments in our own modern plant. Every Freas instrument is guaranteed for correctness.

Radio "B" Type

Finest quality rubber bulb; hard rubber pipette; easy reading scale, calibrated for both A and B Batteries; notched abutment; airtight joints; sturdily built throughout.



Dealer Display Carton

Each hydrometer packed in wooden case, 12 in. handsome counter display carton. Free attractive booklet on Radio Battery care.

75c

Less 35 per cent
dealer discount

Other Freas products: Freezers, Gasoline Testers, Thermometers and Chemical Glassware.

**FRANCIS L. FREAS
GLASS WORKS
Conshohocken, Pa.**

FIBROC

(BAKELITE)

Panels and Tubes

Used by the leading manufacturers of quality radio products because of its unflinching uniformity.

Fibroc-Bakelite Panels are made in standard sizes, either smooth or rough sawed, and packed in individual envelopes, printed with complete directions for proper working. Full sheets 36x42 in. are also furnished. Fibroc-Bakelite Panels and Sheets are made in High Polished Black, Mat Finish Black and beautiful Mahogany or Walnut Grain Finish.



*Standard
Where the Best
Is Demanded*

Wherever the highest quality panel or tube is demanded there you will find Fibroc-Bakelite.

Fibroc-Bakelite is easily worked. It can be milled, tapped, turned, sawed, punched and drilled. It engraves beautifully without feathering.

Fibroc-Bakelite tubes are made in all sizes and diameters, and possess all the uniform qualities of Fibroc Panels.



Fibroc-Bakelite is the ideal insulation for panels, terminal blocks, coils, jacks, sockets, etc. It is not affected by climatic changes, oil, weak acids or alkalis, and will not absorb moisture. It will not warp, shrink or swell.

Ask for it by name—Fibroc-Bakelite.

JOBBER AND DEALERS
WRITE FOR "FIBROC FACTS"

FIBROC
Insulation Company
VALPARAISO, INDIANA

Offices in 17 cities

**INDUCTANCE
SWITCHES—**
see Switches, Inductance

INDUCTANCES—
see Coils, Inductance

**INITIALED
BINDING POSTS—**
see Posts, Lettered Binding

**INSTRUMENTS,
Electrical Testing—**
see Sets, Electrical Testing

**INSTRUMENTS,
Measuring—**
see Ammeters and Voltmeters

**INSULATED BINDING
POSTS—**
see Posts, Composition

**INSULATED LEADS—
IN—**
see Leads-In, Insulated

**INSULATED
STAPLES—**
see Staples, Insulated

INSULATED WIRE—
see Wire, Bell
also Wire, Magnet
also Wire, Rubber Covered

INSULATING TAPE—
see Tape, Insulating

**INSULATING
VARNISH—**
see Varnish, Insulating

**INSULATION,
Composition**
Sheet, Rod and Tube. For Molded Shapes—see Insulation. Molders of; for Hard Rubber—see Rubber. Hard; for Vulcanized Fibre—see Fibre, Vulcanized.
✓Bakelite Corp., 247 Park Ave., New York, N. Y. "Condensite" "Redmanol" See advertisement, page 77.

Warp-,
Moisture-



and Scratch-
Proof

CELORON Panels drill cleanly and without danger of knocking a piece out of the under side. They saw without chipping, and engrave without feathering. For dealer and jobber distribution, each one comes separately wrapped.

Celoron Panels are made regularly in the following thicknesses, in polished mahogany and walnut grain finish and in black, either glossy or satin finish.

1/8", 3/16", 1/4", 5/32" and heavier upon specification.

Over 150 big set makers of the country have adopted Celoron—not only panels but tubing as well.

For your convenience, there are Celoron branch offices throughout the United States and in Canada. Prompt service will be rendered by any of these branches in connection with both Celoron Panels and Celoron Tubing.

PANELS

Size	List prices each Smooth sawed
7 x 10 x 1/8	\$1.09
7 x 12 x 1/8	1.31
7 x 14 x 1/8	1.53
7 x 18 x 1/8	2.95
7 x 21 x 1/8	3.44
7 x 24 x 1/8	3.93
7 x 26 x 1/8	4.26
7 x 30 x 1/8	4.92

Also standard size sheets—approximately 37 in. x 46 in.

TUBING

Standard shades,	Inches	List price per foot
black and natural (light brown).	2	\$0.82
Red, green and others can be furnished. Tubes are cut to size from lengths approximately 18 to 37 in. 34 stock sizes.	2 1/4	0.97
	2 1/2	1.02
	2 5/8	1.05
	2 3/4	1.08
	3	1.12
	3 1/8	1.15
	3 1/2	1.23
	3 3/8	1.30

SPECIAL PIECES Celoron is also available for special pieces made to order, any shape, thickness and size. Quotations upon request.

DIAMOND STATE FIBRE COMPANY

The oldest and largest manufacturer in the vulcanized fibre-laminated technical products industry

Bridgeport, Pa., and Chicago, Ill.

Branch Offices:

- Boston, Mass., 38 Chardon St.
 - Milwaukee, Wis., 511 Loan & Trust Bldg.
 - Buffalo, N. Y., 377 Ellicott Square
 - Minneapolis, Minn., 217 Kasota Bldg.
 - Chicago, Ill., 1656 Bosley Court
 - New York, N. Y., 423 Broome St.
 - Cleveland, O., 108 Hippodrome Bldg.
 - Philadelphia, Pa., 822 Drexel Bldg.
 - Denver, Col., 621 Charles Bldg.
 - Pittsburgh, Pa., 204 Bulletin Bldg.
 - Detroit, Mich., 425 Joseph Mack Bldg.
 - Rochester, N. Y., 229 Granite Bldg.
 - Indianapolis, Ind., 718 Fletcher Trust Bldg.
 - St. Louis, Mo., 419 Chemical Bldg.
 - Kansas City, Mo., 501 Kemper Bldg.
 - Salt Lake City, Utah, 815 Newhouse Bldg.
- San Francisco, Cal., 274 Brannan St.
Washington, D. C., 913 New York Ave., N. W.

CELORON

Celoron Display
Panels supplied
to dealers



Boston, Mass.
Pittsburgh, Pa.

Warehouses at
New York City
San Francisco, Cal.

Chicago, Ill.
Toronto, Can.

In Canada

DIAMOND STATE FIBRE COMPANY OF CANADA, Ltd.
Toronto, Ontario, Canada, 235 Carlaw Ave.
Montreal, Canada, 84 St. Francois Xavier St.





Panels Base Panel and Winding Tubes

For ten years it has been the experience of the leading makers of radio apparatus that Formica front panels, Formica winding tubes, and other insulating parts are most satisfactory. Uniformity, fine and permanent finish, absence of warping, and quick responsive service from the factory have been the reasons for preference of the overwhelming majority of set makers for Formica.

With the growth of the practice of using an insulating base panel Formica is now used very widely for that purpose also.

A branch factory in New York supplies completely, drilled and engraved panels to set makers and jobbers in that district.

Formica is offered in four splendid finishes: gloss black, dull black, mahogany and walnut.

*Let a Formica man estimate
on your requirements.*

The Formica Insulation Co.

4662 Spring Grove Ave.
Cincinnati, Ohio

FORMICA
Made from Anhydrous Bakelite Resins
SHEETS TUBES RODS

INSULATION, Composition Continued

- Bakelite - Dilecto — see Continental Fibre Co.
- Bakelite-Duresto—see Spaulding Fibre Co.
- Brand & Co., William, 27 E. 22d St., New York, N. Y. "Turbonite"
- Celeron — see Diamond State Fibre Co.
- Condensite — see Bakelite Corp.
- Continental Fibre Co., Newark, Del. "Bakelite-Dilecto"
- ✓Diamond State Fibre Co., Bridgeport, Pa. "Celeron" See advertisement, page 75.
- Du Pont de Nemours & Co., E. L. Schuyler Ave. (Pyralin Division) Arlington, N. J. "Pyradolin"
- ✓Fibroc Insulation Co., Valparaiso, Ind. See advertisement, page 74.
- ✓Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati, Ohio. See advertisement, page 76.
- Micarta — see Westinghouse Electric & Mfg. Co.
- Minerals & Insulation Supplies Co., 96 Spring St., New York, N. Y.
- ✓National Vulcanized Fibre Co., (Phenolic Products Division) Wilmington, Del. "Phenolite" See page opposite Title Page.
- Phenolite—see National Vulcanized Fibre Co.
- Pyradolin—see Du Pont de Nemours & Co.
- Redmanol — see Bakelite Corp.
- Spaulding Fibre Co., 308 Wheeler St., Tonawanda, N. Y. "Bakelite-Duresto"
- Turbonite—see Brand & Co.
- Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa. "Micarta"

INSULATION, Fibre— see Fibre, Vulcanized

INSULATION, Hard Rubber— see Rubber, Hard

INSULATION, Molders of

- Aeolus Corp., 161 Grand St., New York, N. Y.
- Alco-Bakelite—see American Insulator Corp.
- American Electric Co., 22 Prospect St., Newark, N. J. "Ameroid"
- American Insulator Corp., 52 Vanderbilt Ave., New York, N. Y. "Alco-Bakelite"



BAKELITE

REG. U. S. PAT. OFF.

Over 95 per cent of all Radio set and parts manufacturers use Bakelite.

This dominant position of Bakelite in Radio is conclusive evidence of its superiority for Radio panels and parts.

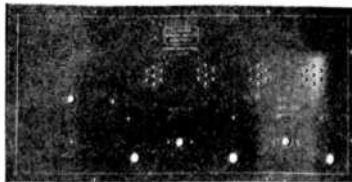
The Radio public accepts the Bakelite trade-mark as evidence of merit.

Write for Booklet 37

BAKELITE CORPORATION

247 Park Avenue, New York, N. Y.

Chicago Office: 636 West 22nd Street



Bakelite is an exclusive trade mark and can be used only on products made from materials manufactured by the Bakelite Corporation. It is the only material which may bear this famous mark of excellence.

BAKELITE is the registered trade mark for the phenolic resin product manufactured under patents owned by the Bakelite Corporation.

THE MATERIAL OF A THOUSAND USES

**Precision
Moulded Parts**
from BAKELITE OR
SHELLAC COMPOSITION
to your specifications



We also carry in stock standard size
Dials, Knobs, Etc., for immediate
delivery.

**The INTERNATIONAL
INSULATING CORP.**
ELYRIA, OHIO

*Who Sells Radio in
Typical Communities?*

The
publishers of "The Radio Trade
Directory" and "Radio Retail-
ing," have been investigating
radio selling conditions in a
number of towns and cities of
all sizes in the United States.

Copies of sample surveys on
who is selling radio as well as
who is *not* selling radio in typi-
cal communities have been pub-
lished and will be sent to any
interested radio manufacturer
or his advertising agency.

Address

Radio Research Department

**INSULATION,
Molders of
Continued**

- American Metal Works, Sten-
ton Ave., & Rockland St.,
Philadelphia, Pa.
Ameroid—see American Elec-
tric Co.
Asbestos Shingle, Slate &
Sheating Co., Ambler, Pa.
Auburn Button Works, 48
Canoga St., Auburn, N. Y.
Ballsite—see Ballston Insu-
lating & Composition Co.
Ballston Insulating & Compo-
sition Co., Ballston Spa,
N. Y. "Ballsite."
✓Belden Mfg. Co., 2320-n S.
Western Ave., Chicago, Ill.
See advertisement, page
183.
✓Bell Mfg. Co., 11 Elkins St.,
Boston, Mass. Cataloged on
page 136.
✓Bennington Radio & Elec-
tric Mfg. Co., Bennington,
Vt. "Bremco." See ad-
vertisement, page 138.
Boonton Rubber Mfg. Co.,
624 Fanny Rd., Boonton,
N. J.
Bremco — see Bennington
Radio & Electric Mfg. Co.
Bridgeport Die & Machine
Co., 166 Elm St., Bridge-
port, Conn.
Cincinnati Molding Co., 2037
Florence Ave., Cincinnati,
Ohio
Compo-site, Inc., 207 Astor
St., Newark, N. J.
Connecticut Hard Rubber Co.,
West Haven, Conn.

- Demoulding Production Co.,
Rusbach St., Canastota,
N. Y.
Dutch Boy — see National
Lead Co.
Electrose Mfg. Co., 70 Wash-
ington St., Brooklyn, N. Y.
Franklin Radio Mfg. Co.,
Ben, 2652 Superior Ave.,
Cleveland, Ohio
Garfield Mfg. Co., Garfield,
N. J. "Gummon"
General Insulate Co., 1008
Atlantic Ave., Brooklyn,
N. Y. "Insulate" "Hi-
Heet" "Star Insulate"
Gray & Danielson Mfg. Co.,
250 First St., San Fran-
cisco, Cal.
Gummon — see Garfield Mfg.
Co.
Hahn Mfg. Co., Harry W.,
627 San Pedro St., Los
Angeles, Cal.
Hi-Heet — see General Insu-
late Co.
Hoosick Falls Radio Parts
Mfg. Co., Hoosick Falls,
N. Y.
Insulate — see General In-
sulate Co.
✓International Insulating
Corp., Elyria, Ohio. See
advertisement, page 78.
Johns - Pratt Co., Hartford,
Conn.
K. B. Mfg. Co., 222 Eighth
St., San Francisco, Cal.
Kurz-Kasch Co., Broadway
& Morris St., Dayton,
Ohio
Lacanite—see Scranton But-
ton Co.
✓Luzerne Rubber Co., Tren-
ton, N. J. See advertise-
ment, page 112.
Mack Molding Co., Little
Falls, N. J.
Marlanite — see Sun Rubber
Co.
McDonald Mfg. Co., 202 E.
61st St., Los Angeles, Cal.
Megohm — see Waterbury
Button Co.
Nagel Electric Co. W. G., 28
St. Clair St., Toledo, Ohio
National Lead Co., 111
Broadway, New York, N. Y.
"Dutch Boy"
New York Rubber Co., 19
Thomas St., New York,
N. Y.
Niagara Insul-Bake Specialty
Co., 483 Delaware Ave.,
Albany, N. Y.
Northern Industrial Chemical
Co., 11 Elkins St., S. Bos-
ton, Mass.
Northwestern Radio Mfg. Co.,
1556 E. Taylor St., Port-
land, Ore.
Prüven Composition Products
Corp., Milford, Conn. "Prü-
venite"
Prüvenite—see Prüven Com-
position Products Corp.
✓Quality Molded Products,
Inc., Jersey City, N. J.
See advertisement, page 85.
✓Radio Panel & Parts Corp.,
59 Warren St., New York,
N. Y. See advertisement,
page 90.
Rawson Moulding Co., 6 Bea-
con St., Boston, Mass.
Real Equity Shop, 1331 N.
Wells St., Chicago, Ill.
Reynolds Spring Co., Jack-
son, Mich. "Renolite"
"Renomold" "Renoloid"
Renolite — see Reynolds
Spring Co.

**INSULATION,
Molders of
Continued**

Renold — see Reynolds Spring Co.
Renomold—see Reynolds Spring Co.
Ridgely Trimmer Co., Springfield, Ohio
Scranton Button Co., Scranton, Pa. "Lacanit"
Seattle Radio Mfg. Co., 300 Lakeside Ave., S., Seattle, Wash.
Siemon Co., State St. & Baum Blvd., Bridgeport, Conn.
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y.
Splittdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
Star Insulate—see General Insulate Co.
Sun Rubber Co., Barberton, Ohio "Marlanite"
Waterbury Button Co., Waterbury, Conn. "Meg-ohmo"
Watertown Mfg. Co., Watertown, Conn.

**INSULATION MOLD-
ING MACHINES—**

see Machines, Plastic Molding

**INSULATION,
Rubber—**

see Rubber, Hard

**INSULATION
STRIPPERS—**

see Tools, Wire Stripping

**INSULATION,
Synthetic Quartz**

Insolantite Co. of America, Belleville, N. J.

**INSULATOR
BRACKETS,
Antenna—**

see Brackets, Antenna Insulator

INSULATORS, Aerial—

see Insulators, Composition also Insulators, Porcelain

**INSULATORS,
Composition
and Hard Rubber**

see also Insulation, Molders of
also Rubber, Hard
Aeolus Corp., 161 Grand St., New York, N. Y.
American Hard Rubber Co., 11 Mercer St., New York, N. Y. "Radion"

Antenna Insulator Co., 15 Bagley St., Pawtucket, R.I.
"Dry Gap"

✓ Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Bremco" See advertisement, page 138.

Bestone—see Hyman & Co.
Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
Bremco — see Bennington Radio & Electric Mfg. Co.
Deal Electric Co., 453 Broome St., New York, N. Y.

Dry Gap — see Antenna Insulator Co.
General Insulate Co., 1008 Atlantic Ave., Brooklyn, N. Y.

Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

H & H—see Hart & Hegeman Mfg. Co.

Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.

Hyman & Co., Henry, 476 Broadway, New York, N.Y. "Bestone"

Johns - Pratt Co., Hartford, Conn.

✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See inside Back Cover.

✓ Luzerne Rubber Co., Trenton, N. J. See advertisement, page 112.

Parker Aeolus Corp., 161 Grand St., New York, N. Y.

✓ Radio Panel & Parts Corp., 59 Warren St., New York, N. Y. See advertisement, page 90.

Radio Receptor Co., 106 Seventh Ave., New York, N.Y. "R.R."

Radion—see American Hard Rubber Co.

R. R.—see Radio Receptor Co.

Waterbury Button Co., Waterbury, Conn.

INSULATORS, Fibre—

see Fibre, Vulcanized

INSULATORS, Glass

Alpha Radio Supply Co., 611 Broadway, New York, N. Y.

Benzer Corp., Myrtle & Cooper Aves., Brooklyn, N. Y.

Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
Corning Glass Works, Corning, N. Y. "Pyrex"

Duray Radio Corp., 31 Clinton St., Newark, N. J.

Fleron & Son, M. M., 110 N. Broad St., Trenton, N. J.

Hartford Metal Products Co., 112 Allyn St., Hartford, Conn.

Hemingray Glass Co., Macedonia Ave., Muncie, Ind.

Lynchburg Glass Corp., Lynchburg, Va.

Marsden Glass Works, J. E., 200 Fifth Ave., New York, N. Y. "Tufglas"

McKee Glass Co., Jeannette, Pa.
Pyrex — see Corning Glass Works
Radlex — see Vineland Flint Glass Works

Spencer Lens Co., Hamburg, N. Y.
Tuffglas—see Marsden Glass Works
Vineland Flint Glass Works, 1133 Broadway, New York, N. Y. "Radlex"
Wheaton Co., T. C., Millville, N. J.

**INSULATORS, Hard
Rubber—**

See Rubber, Hard

INSULATORS, Lava

American Lava Corp., 24 William St., Chattanooga, Tenn.

Kirchberger & Co., M., 1425 37th St., Brooklyn, N. Y. "Lavarock"

Lavarock—see Kirchberger & Co.

Tennessee Burner Mfg. Co., Chattanooga, Tenn. "XL"
XL—see Tennessee Burner Mfg. Co.

**INSULATORS,
Porcelain**

Adamant Porcelain Co., East Liverpool, Ohio

A. J.—see Cook Pottery Co.
A. J. Jr.—see Cook Pottery Co.

American Porcelain Co., 220 Second St., East Liverpool, Ohio

Circle F Mfg. Co., 10 Prince St., Trenton, N. J. "Little Joe"

Colonial Insulator Co., Akron, Ohio

Cook Pottery Co., Prospect St. & P. R. R., Trenton, N. J. "Red Devil" "A. J." "A. J. Jr."

Davidson Porcelain Co., East Liverpool, Ohio

De Jur Products Co., 199 Lafayette St., New York, N. Y.

Fedco—see Federal Porcelain Co.

Federal Porcelain Co., Carey, Ohio. "Fedco"

Findlay Electric Porcelain Co., Findlay, Ohio

Fleron & Son, M. M., 110 N. Broad St., Trenton, N. J.

General Porcelain Co., Camden Ave., S. S., Parkersburg, W. Va. "G. F. Co."

General Radio Co., 11 Windsor St., Cambridge, Mass. G. P. Co.—see General Porcelain Co.

✓ Heinemann Electric Co., Philadelphia, Pa. "Sensors" See advertisement, page 68.

Hubbard & Co., 6301 Butler St., Pittsburgh, Pa. "Pelree"

Illinois Electric Porcelain Co., Macomb, Ill.
Imperial Porcelain Works, Mulberry St. & New York Ave., Trenton, N. J.

INSULATORS, Porcelain Continued

Little Joe—see Circle F Mfg. Co.
Mogadore Insulator Co., Mogadore, Ohio
Parker Aeolus Corp., 161 Grand St., New York, N. Y.
Pearl Co., Wm. H., 425 Harmon St., Indianapolis, Ind.
Peirce—see Hubbard & Co.
Perfection Radio Mfg. Co., 24th & Race Sts., Philadelphia, Pa.
Red Devil—see Cook Pottery Co.
Sensory—see Heinemann Electric Co.
Square D Co., Detroit, Mich.
Swan-Haverstick, Inc., 143 E. State St., Trenton, N. J.
Thomas & Sons Co., R., East Liverpool, Ohio
Trenle Porcelain Co., East Liverpool, Ohio
Union Electrical Porcelain Works, Trenton, N. J.

INSULATORS, Rubber—

see Rubber, Hard

INTERRUPTERS, Rotary—

see Choppers, Rotary

IRONS, Copper Soldering—

see Coppers, Soldering

IRONS, Electric Soldering

For Copper Soldering Irons—see Copper, Soldering

Adroit Tool Co., 14 Front St., New York, N. Y.
Alco—see American Wireless Corp.
Ambu—see American Bureau of Engineering
American Beauty—see American Electrical Heater Co.
American Bureau of Engineering, 2632 Prairie Ave., Chicago, Ill. "Ambu"
American Electrical Heater Co., Woodward, Cass & Burroughs Aves., Detroit, Mich. "American Beauty"
American Wireless Corp., 54 W. 23d St., New York, N. Y. "Alco"
Apex Stamping Co., Dept. D, Riverdale, Ill. "Jiffy" See advertisements, pages 9, 148, 149 and 167.
Baco Electric Co., Bode, Iowa
B-D—see Bleadon-Dun Co.
Beehler Steel Products Co., St. Louis, Mo. "Solderette"
Bestone—see Hyman & Co.

Bleadon-Dun Co., 213 S. Peoria St., Chicago, Ill. "B-D"
Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
Central Flatiron Mfg. Co., Johnson City, N. Y.
Chapman Machine Co., Terryville, Conn.
Clawson Universal Tool Manufactory, 135 W. 87th St., Los Angeles, Cal.
Drake Electric Works, 3943 Lincoln Ave., Chicago, Ill. "Junior"
Dymac—see Electrical Products Mfg. Co.
Electrahot Appliances, Inc., 301 Fifth Ave., S., Minneapolis, Minn.
Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
Everhot Mfg. Co., Tenth Ave. & Seventh St., Maywood, Ill.
General Electric Co., 1 River Rd., Schenectady, N. Y.
Gold Seal Electric Co., 2110 Woodland Ave., Cleveland, Ohio
Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
H & H—see Hart & Hegeman Mfg. Co.
Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
Jiffy—see Apex Stamping Co.
Junior—see Drake Electric Works
Lake—see Westwyre Co.
Landers, Frary & Clark, New Britain, Conn.
Lenk Mfg. Co., 34 Portland St., Boston, Mass. "Little Handy"
Liberty Works, 200 Fifth Ave., New York, N. Y.
Little Handy—see Lenk Mfg. Co.
Metaletric—see Post Electric Co.
Metro—see Pal Sales Corp.
Northern Electric Co., 2835 Northwestern Ave., Chicago, Ill.
Nu-Way Specialty Co., 156 Jamaica Ave., Brooklyn, N. Y.
Pal Radio Corp.—see Pal Sales Corp.
Pal Sales Corp., Tube Concourse Bldg., Jersey City, N. J. (Sole Sales Representatives for Pal Radio Corp., Jersey City, N. J.) "Metro"
Pennsylvania Instrument Co., 616 Chestnut St., Philadelphia, Pa.
Post Electric Co., 30 E. 42d St., New York, N. Y. "Metaletric"
Radiogem Corp., 66 West Broadway, New York, N. Y.
Rhamstine, J. Thos., 508 E. Woodbridge, Detroit, Mich. See advertisement, page 103.
Security Electric Mfg. Co., 2635 Canton St., Chicago, Ill.
Simplex Electric Heating Co., 85 Sidney St., Cambridge, Mass.
Solderette—see Beehler Steel Products Co.

Splitdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
Superior Electric Products Co., 2208 Pine St., St. Louis, Mo.
Torrird—see Wolcott Mfg. Co.
Unity Mfg. Co., 224 N. Halsted St., Chicago, Ill.
Varick Electric Mfg. Co., 71 Eighth Ave., New York, N. Y.
Vulcan Electric Heating Co., 107 W. 13th St., New York, N. Y.
Waage, A. H., 6 Reade St., New York, N. Y.
Ward Co., 937 Wellington Ave., Chicago, Ill.
Watlow Electric Mfg. Co., 1320 N. 23d St., St. Louis, Mo.
Westwyre Co., 283 Elm St., Westfield, Mass. "Lake"
White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
Wolcott Mfg. Co., Frank E., Hartford, Conn. "Torrird"

JACK BINDING POSTS—

see Posts, Jack Binding

JACK SWITCHES—

see Switches, Cam

JACK WRENCHES—

see Wrenches, Jack

JACKS, Closed Circuit—

see Jacks, Phone

JACKS, Cord Tip

For Phone Tips—see Tips, Cord

✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Na-ald" Cataloged on page 137.
Atec Products Co., 534 W. Elm St., Chicago, Ill.
✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. "Imp" See advertisement, page 81.
Doran & Sons, James Co., 150 Chestnut St., Providence, R. I.
Imp—see Carter Radio Co.
King Quality Products, Inc., Rano St., Buffalo, N. Y. E.
Kodol Radio Corp., 507 E. Pearl St., Cincinnati, Ohio
Na-ald—see Alden Mfg. Co.
Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

JACKS, Double Circuit—

see Jacks, Phone

JACKS, Extension or Portable

✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
 Four Way Co., 29 Worthington St., Springfield, Mass.
 Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
 Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

JACKS, Filament Control—

see Jacks, Phone

JACKS, Open Circuit—

see Jacks, Phone

JACKS, Phone

✓Adams Radio Mfg. Co., 1044 W. Van Buren St., Chicago, Ill. See advertisements, pages 81, 98 and 152.
 Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio. "Green Seal"
 Ajax—see Philmore Mfg. Co.
 Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
 American Electric Co., 6401 S. State St., Chicago, Ill.
 Anticap—see Electric City Novelty & Mfg. Co.
 Anticap—see Sharp Spark Plug Co.
 Auth Electrical Specialty Co., 422 E. 53d St., New York, N. Y.
 Ballgrip—see Quality Molded Products, Inc.
 Barnes Co., Wallace, Bristol, Conn.
 ✓Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Bremco" See advertisement, page 138.
 Bestone—see Hyman & Co.
 Bisby Mfg. Co., 59 Warren St., New York, N. Y.
 B. M. S.—see Brooklyn Metal Stamping Co.
 Branston, Chas. A., 813 Main St., Buffalo, N. Y.
 Breco—see Bronx Radio Equipment Co.
 Bremco—see Bennington Radio & Electric Mfg. Co.
 Bronx Radio Equipment Co., 687 Courtland Ave., New York, N. Y. "Breco"
 ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "Tri-Jack," B. M. S." Cataloged on page 82.
 Cardinal—see Fisher Spring Co.
 ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. "Hold-Tite" See advertisement, page 81.
 ✓Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.
 Cico—see Consolidated Instrument Co. of America.
 Consolidated Instrument Co. of America, 41 E. 42d St., New York, N. Y. "Cico"

CARTER

Originators and Manufacturers

RADIO PRODUCTS



Pat. 1-30-23

"Hold-Tite" Jacks Mount without spacer washers. Ten different spring combinations. One to meet every requirement. Special spring combinations furnished on order.

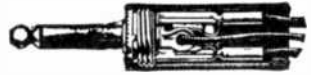


Name Plates Seven different designations. Fit any standard Jack—saves engraving panel. 5c. ea.



"Tu-Way" Plug

Original plug to take more than one headset at a time. Insist on the genuine. \$1.00 each.



"One-Way" Plug

used by leading loud speaker manufacturers. The plug without an equal. 50c. each.



Pat. 1-30-23

Jack Switches

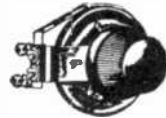
Made in four different spring combinations. No sliding contact. Sturdy construction.



Pat. 1-30-23

"Imp" Battery Switch

Quarter turn makes position "On or Off" connection compact—sturdy. 65c. each.



Pat. 1-30-23

Vernier Control Rheostat

No friction contacts. Pigtail connection. Smooth running. 3, 6, 10, 20, 25 and 30 ohms.



Portable Jack

for use with extension cord for head set or loud speaker. 75c. each.



Vernier Control Potentiometers

200 and 400 ohm \$2.00 each. We also manufacture Fixed Condensers.



"Imp" Plug

Takes tinzel phone cord or wire without soldering. Better than binding posts. 15c. each.

Carter Loop Aerial



Carter Loop Aerial \$15

Compound pentagon sound. Eliminates losses. Extreme selectivity and volume. Non-magnetic. Only 1 1/8 in. in diameter, but equal to the old style large loop. Center tap. Price \$15.00.



"Imp" Cord Tip Jack

Replaces binding posts. Takes cord tip or "Imp" Plug. 35c each.

Offices in all Principal Cities

In Canada—Carter Radio Co., Limited—Toronto

Sold thru
Jebbers



Write us for Catalog

B.M.S.

RADIO PRODUCTS

The new VERNI-JUSTER!



B. M. S. Radio Products are unusually efficient, rugged and dependable. Fans and manufacturers alike recognize them as leaders.

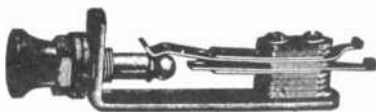
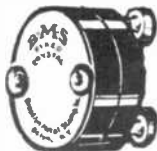
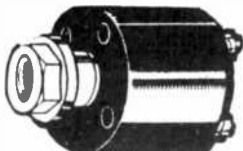
	<i>List</i>
Verni-Juster, 4-in.	\$1.50
B.M.S. Plug	.50
FanTail Jacks—	All styles
Cord with connector	1.25
Crystal Detector	1.00
Switch Jack	.50

Write for literature and discount sheet.

Brooklyn Metal Stamping Corp.

718 Atlantic Ave.

Brooklyn, N. Y.



JACKS, Phone Continued

De Jur Products Co., 199 Lafayette St., New York, N. Y.

Doran & Sons, James C., 150 Chestnut St., Providence, R. I.

Dymac—see Electrical Products Mfg. Co.

Electric City Novelty & Mfg. Co., 120 Odell St., Schenectady, N. Y. "Anticap"

Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"

Federal Telephone Mfg. Corp., Buffalo, N. Y.

Fenton, N., 57 Murray St., New York, N. Y.

Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y. "Cardinal"

Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio

Freeport Metal Products Mfg. Co., 71 Olive Blvd., Freeport, L. I., N. Y.

Frost, Herbert H., 314 W. Superior St., Chicago, Ill.

Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.

Globe Phone Mfg. Co., Reading, Mass.

Green Seal — see Air-Way Electric Appliance Corp.

Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

Haynes-Griffin Radio Service —see Tested Radio Products

H & H—see Hart & Hegeman Mfg. Co.

Hold-Tite — see Carter Radio Co.

Hyman & Co., Henry, 476 Broadway, New York, N.Y. "Bestone"

✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.

✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

King Quality Products, Inc., Rano St., Buffalo, N. Y.

Kings Mfg. Co., 32 33d St., Brooklyn, N. Y.

Leich Electric Co., Genoa, Ill.

Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Mar-Co — see Martin-Copeland Co.

✓ Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.

Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"

✓ Metro Electric Mfg. Co., 121 Prince St., New York, N.Y. "Ne-Plus-Ultra" See advertisement, page 83.

✓ Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.

Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.

JACKS, Phone
Continued

- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
M. R. L. — see Montrose Radio Laboratories
Muzada — see Mazda Radio Mfg. Co.
Ne-Plus-Ultra — see Metro Electric Mfg. Co.
✓Pacient Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
Paterson Radio Co., 213 Market St., Paterson, N. J.
Phillmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
Pilot Electric Mfg. Co., 323 Berry St., Brooklyn, N. Y.
Prall Co., B. W., 160 College Ave., West New Brighton, S. I., N. Y.
Preferred Radio Products Corp., 408 E. 93d St., New York, N. Y.
Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
✓Quality Molded Products, Inc., Jersey City, N. J. "Ballgrip" See advertisement, page 85.
Reliance Die & Stamping Co., 501 N. La Salle St., Chicago, Ill.
Saturn Mfg. & Sales Co., 48 Beekman St., New York, N. Y.
Schiff Laboratories, 283 Glenwood Ave., Bloomfield, N. J.
Sharp Spark Plug Co., Bennett St., Wellington, Ohio "Anticap"
Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
✓Tented Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
Tri-Jack—see Brooklyn Metal Stamping Corp.
Union Radio Corp., 124 Sussex Ave., Newark, N. J.
✓Warner Brothers Co., Metal Dept., Bridgeport, Conn. See advertisement, page 113.
White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.

JACKS, Wall
Receptacle

For use in wiring building for Radio Service

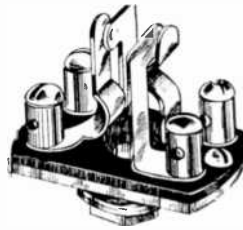
- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

JAPANS, Black—

see Laquers, Crystallizing



Metro
quality radio
products

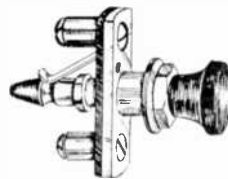


List 60 Cents

Non-Solder Double Jack. They eliminate soldering. 100% convenient. Sturdy, and the easiest of all jacks to mount. Very compact. Springs of phosphor bronze, sterling silver contacts. Insulation is genuine canvas bakelite. Attractively finished.

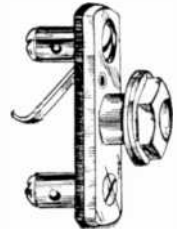
Non-Solder Single Jack

LIST 35 CENTS

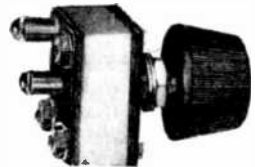


Non-Solder Single Jack. Insulation is genuine canvas bakelite, contact spring of phosphor bronze, with long wiping contact. Only one hole to be drilled in panel. List 40 Cents.

Non-Solder Push-Pull Panel Switch. Insulation is genuine canvas bakelite, contact spring of phosphor bronze, with long wiping contact. Only one hole to be drilled in panel. List 40 Cents.



Compression Rheostat. Provides a smooth working micrometer adjustment without the "steps" of a wire rheostat. List 90 Cents.



"Keelock" Safety Battery Switch (Non-Solder) Operates with a key, locking battery circuit. Fool proof, and combines advantages of a push-pull switch with absolute safety.

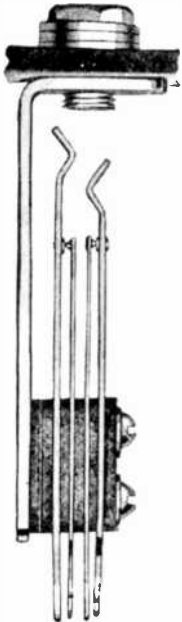
List 75 Cents

Jobbers and Distributors write for proposition.

Manufactured by

METRO ELECTRIC
MFG. CO., INC.
121 Prince Street
New York, N. Y.





The
Adams
Perfected

Radio Jacks

Radio authorities the country over are coming to recognize the superiority of this remarkable jack. Its low loss is due to the fact that fiber tubing or other inferior materials are not used. IT IS BAKELITE INSULATED THROUGHOUT.

Springs are of heavy gauge phosphor bronze, contacts of pure silver and sharply pointed. All other parts are brass finished in polished nickel. The terminals are widely spaced with ends notched and tinned.

This 100% Bakelite Insulated jack has set a new standard in jack construction.

The prices are no higher.

ADAMS RADIO MFG. CO.
1044 W. VAN BUREN ST., CHICAGO

No. 503.
Double Circuit
List Price—
80c. Each

Kings Mfg. Co., 32 33d St., Brooklyn, N. Y.
Lamb Co., F. Jos., 1938 Franklin St., Detroit, Mich.
Lundquist Tool & Mfg. Co., 144 Green St., Worcester, Mass.
Moeller Machine Co., 2714 S. Canal St., Chicago, Ill.
Nielsen & Wilson Tool Co., 133 Sheldon St., Hartford, Conn.
Service Radio Corp., 19 W. 19th St., New York, N. Y. (Sole Distributors for Branch Tool Co., Providence, R. I.)

JIGS, Mounting

Atec Products Co., 534 W. Elm St., Chicago, Ill.
✓Bridgeport Hardware Mfg. Corp., Dept. R., Bridgeport, Conn. "Radio-Lectric" See advertisement, page 57.
Radio-Lectric — see Bridgeport Hardware Mfg. Corp.

JOBBERS, Radio

Covering Jobbers who advertise in this publication only

✓Schwab, Inc., Harold M., 55 Vesey St., New York, N. Y. See advertisement, page 120.

KEYS, Anti-Capacity—
see Switches, Cam

KEYS, Telegraph—
see Keys, Transmitting

KEYS, Transmitting
Ajax Electric Co., 18 Palmer St., Cambridge, Mass.

Beeko—see Bunnell & Co.
Bunnell & Co., J. H., 32 Park Pl., New York, N. Y. "Beeko"

Cootie—see Leach Relay Co.
Leach Relay Co., San Francisco, Cal. "Cootie"
Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

KITS, Antenna—
see Aerials
also Wire

KITS, B Battery Eliminator—
see Rectifiers, Knockdown Plate Current Supply

PRECISION Radio Frequency Tests of Condensers, Loops, etc. Also Vacuum Tube Tests.

Dray Radio Laboratory
6 E. Lake Street, Chicago

JARS, Glass Battery
For Glass Tubes for B Batteries—see Tubes, Glass Test
Atlas—see Hazel-Atlas Glass Co.
Hazel-Atlas Glass Co., Wheeling, W. Va. "Atlas"

JARS, Rubber Battery
✓Luzerne Rubber Co., Trenton, N. J. See advertisement, page 112.
Rub-Tex Products, Inc., W. 14th & N. West Sts., Indianapolis, Ind.
United States Rubber Co., 1790 Broadway, New York, N. Y.

JIGS, Coil Winding
Pioneer Radio Service Laboratories, 236 Fulton St., New York, N. Y.
✓Visto Products Co., No. 92, Jamaica, N. Y. See advertisement, page 180.

JIGS, Dies and Fixtures
Branch Tool Co.—see Service Radio Corp.
Dauch Co., Wm. R., 27 S. Seventh St., Philadelphia, Pa.
D. & B. Radio Service, 419 Riopelle St., Detroit, Mich.
Fenton Machine Tool & Die Co., Fenton, Mich.



Cross section showing construction of Ballgrip single circuit jack.

"Ballgrip" Jacks—Sockets—Binding Posts

Positive, wiping contact with sterling silver points; compact and low-loss construction.

Same features incorporated in the new socket with a positive, biting contact. Made of genuine Bakelite—the ideal socket for low-loss circuits.

Send for descriptive folders.

QUALITY MOLDED PRODUCTS, Inc.
Jersey City, N. J.



Ballgrip Binding Post—actual size.

KITS, Neutrodyne—
see Sets, Knockdown

KITS, Superdyne—
see Sets, Knockdown

KITS, Superheterodyne—
see Sets, Knockdown

KITS, Tuned Radio Frequency—
see Sets, Knockdown

KITS, Ultradyne—
see Sets, Knockdown

KNIFE SWITCHES—
see Switches, Baby Knife
also Switches, Standard Knife

KNOBS, Composition—
see Dials, Rubber
also Insulation, Molders of

KNOBS, Dial—
see Dials, Rubber
also Insulation, Molders of

KNOBS, Porcelain Wiring

- Bull Dog—see Illinois Electric Porcelain Co.
- Cook Pottery Co., Prospect St. & P. R. R., Trenton, N. J.
- Davidson Porcelain Co., East Liverpool, Ohio. "Ever-Ready"
- Emily—see Findlay Electric Porcelain Co.
- Ever-Ready—see Davidson Porcelain Co.
- Fedco—see Federal Porcelain Co.
- Federal Porcelain Co., Carey, Ohio. "Fedco"
- Findlay Electric Porcelain Co., Findlay, Ohio. "Emily"

- General Porcelain Co., Camden Ave., S. S. Parkersburg, W. Va. "Naillit"
- Illinois Electric Porcelain Co., Macomb, Ill. "Bull Dog"
- Mogadore Insulator Co., Mogadore, Ohio
- Naillit—see General Porcelain Co.
- Square D Co., Detroit, Mich.

KNOBS, Rubber—
see Dials, Rubber
also Insulation, Molders of

KNOCKDOWN BATTERY ELIMINATOR KITS—
see Rectifiers, Knockdown
Plate Current Supply

KNOCKDOWN PLATE CURRENT SUPPLY RECTIFIERS—
see Rectifiers, Knockdown
Plate Current Supply

KNOCK DOWN STORAGE BATTERIES—
see Batteries, Knockdown
Storage

LABORATORIES,

Testing—
Covering Laboratories advertising in this publication only.
Dray Radio Laboratory, 6 E. Lake St., Chicago, Ill See advertisement, page 84.

LACQUERS, Crystallizing
Hilo Varnish Corp., Gerry St., Brooklyn, N. Y.

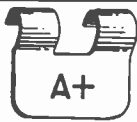
LAMINATED PANELS—
see Insulation, Composition

LAMP CORD—
see Cord, Flexible Lamp

LAVA INSULATORS—
see Insulators, Lava

LEAD-IN WIRE—
see Wire, Rubber Covered

- LEADS-IN, Insulated**
- Aerodyn Co., 1780 Broadway, New York, N. Y. (Sole Distributors for Tridot Electric Co., New York, N. Y.)
 - Ajax Electric Co., 18 Palmer St., Cambridge, Mass.
 - "New Way"
 - Amoroso Mfg. Co., 14 Sears St., Boston, Mass. "Nifty" Boston—see Hearwell Electric Co.
 - Delgro Electric & Mfg. Co., 11 S. Eighth Ave., (Highland Park), New Brunswick, N. J.
 - Eagle Electric Mfg. Co., 38 S. Eighth St., Brooklyn, N. Y.
 - Electrad, Inc., 428 Broadway, New York, N. Y.
 - Fahnestock Electric Co., 141 East Ave., Long Island City, N. Y.
 - Forbes—see Hearwell Electric Co.
 - Gem—see Wireless Products Corp.
 - Hargraves, C. E. & H. T., Lakewood, R. I.
 - Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
 - Hatheway & Co., 16 Hudson St., New York, N. Y.
 - Hearwell Electric Co., 53 Devonshire St., Boston, Mass. "Boston" "Forbes"
 - H & H—see Hart & Hegeman Mfg. Co.
 - Lenz—see Permanco Mfg. Corp.
 - Mast Lightning Rod Co., (Radio Accessory Dept.), West Milton, Ohio
 - M & M Co., 500 Prospect Ave., Cleveland, Ohio
 - Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.



C R O W E
Metal Cable Markers

Etched Metal Radio Panels

NAME PLATES AND DIALS
Crowe Name Plate & Mfg. Co.
"The House of Quick Service"
1749 Grace St., Chicago

LEADS-IN, Insulated Continued

- ✓Muter Co., Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
- New Way—see Ajax Electric Co.
- Nifty—see Amoroso Mfg. Co.
- ✓Permanco Mfg. Corp., 1114 De Kalb Ave., Brooklyn, N. Y. "Premo," "Lenz." See advertisement, page 33.
- Premo—see Permanco Mfg. Corp.
- Rodale Mfg. Co., 492 Broome St., New York, N. Y.
- Swan-Haverstick, Inc., 143 E. State St., Trenton, N. J.
- Tridot Electric Co. — see Aerodyn Co.
- ✓Wireless Products Corp., 362 Broadway, New York, N.Y. "Gem" See advertisement, page 108.

LEAKS, Grid— see Grid-Leaks

LEATHER COVERED CABINETS— see Cabinets, Fabric

LEATHER HEAD BAND COVERS— see Covers, Leather or Fabric Head Band

LETTERED BINDING POSTS— see Posts, Lettered Bind- ing

LEVER SWITCH CONTACTS— see Contacts, Switch

LEVER SWITCHES— see Switches, Panel Lever

LIGHTERS, Electric Cigar Metal Specialties Mfg. Co., 338 N. Kedzie Ave., Chi- cago, Ill. "Presto" Presto—see Metal Specialties Mfg. Co.

LIGHTNING ARRESTERS— see Arresters, Lightning In- door also Arresters, Lightning Outdoor

LIGHTNING SWITCHES— see Switches, Lightning

LIQUID SPAGHETTI— see Varnish, Insulating

LITZ WIRE— see Wire, Stranded Enamel

LOCK SWITCHES— see Switches, Lock

LOCK WASHERS— see Washers, Lock

LOCKING BATTERY SWITCH— see Switches, Lock

LOOP AERIALS— see Aerials, Loop

LOOPS— see Aerials, Loop

LOUD SPEAKER ATTACHMENTS— see Adapters, Phonograph also Units, Loud Speaker

LOUD SPEAKER UNITS— see Units, Loud Speaker

LOUD SPEAKERS— see Adapters, Phonograph also Horns also Speakers, Loud also Units, Loud Speaker

LUGS, Soldering— see Terminals, Wire

LUGS, Wire Terminal— see Terminals, Wire

MACHINE SCREW CLAMPS— see Clamps, Machine Screw

MACHINE SCREWS— see Screws, Brass Machine

MACHINES, Coil Impregnating Stokes Machine Co., F. J., Tabor Rd. & Cedar Grove Sta., Philadelphia, Pa.

MACHINES, Coil Winding For small Hand Machines —see Winders, Coil. Becker Bros., 25 N. Jefferson St., Chicago, Ill. ✓Beiden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.

**MACHINES,
Coil Winding
Continued**

Hunsdorf & Co., W. P., 720 Frankfort Ave., Cleveland, Ohio
 Leasona — see Universal Winding Co.
 Radio Production Machinery Co., 212 Centre St., New York, N. Y.
 Radio Research Corp., 15 Park Row, New York, N. Y.
 Universal Winding Co., 95 South St., Boston, Mass. "Leasona"
 Weehawken Electric & Mfg. Co., 543 Gregory Ave., Weehawken, N. J. "Wemco"
 Wemco — see Weehawken Electric & Mfg. Co.

MACHINES, Engraving

Branch Tool Co.—see Service Radio Corp.
 Deckel—see Preis & Co.
 Engravers & Printers Machinery Co., Sag Harbor, N. Y.
 Gorton Machine Co., George, Racine, Wis.
 Paramount Machine Co., 207 Market St., Newark, N. J.
 Preis & Co., Hans P., 9 Campbell St., Newark, N. J. "Deckel"
 Service Radio Corp., 119 W. 19th St., New York, N. Y. (Sole Distributor for Branch Tool Co., Providence, R. I.)
 Williams Engraving Machine Co., C. F., 38 Chardon St., Boston, Mass

**MACHINES, Plastic
Molding**

Elmes Engineering Works, Charles F., 211 N. Morgan St., Chicago, Ill.
 Hydraulic Press Mfg. Co., Mount Gilead, Ohio
 Terkelsen Machine Co., 320 A St., Boston, Mass. See advertisement, page 101.

**MAGNET WIRE—
see Wire, Magnet**

**MAGNETIC
MODULATORS—
see Modulators, Magnetic**

MAGNETS, Permanent
 Bullens Co., D. K., Pottstown, Pa.
 Thomas & Skinner Steel Products Co., Empire & Harmon Sts., Indianapolis, Ind.

**MARKERS,
Metal Cable**

Crowe Name Plate & Mfg. Co., 1749 Grace St., Chicago, Ill. See advertisement, page 86.

General Etching & Mfg. Co., 312-16 S. Hamilton Ave., Chicago, Ill. See advertisement, page 93.

**MASTS, Steel—
see Poles, Steel
also Towers, Steel**

MATS, Rubber Battery
 Ajax—see Philmore Mfg. Co.
 Alpha Radio Supply Co., 611 Broadway, New York, N. Y.
 Goodrich Rubber Co., B. F., Akron, Ohio
 Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
 Victor Mfg. Co., 236 W 55th St., New York, N. Y.

**MEASURING
INSTRUMENTS—
see Ammeters and Voltmeters**

**MECHANICAL
RECTIFIERS—
see Rectifiers, Vibrator**

**METAL BINDING
POSTS—
see Posts Metal**

**METAL CABLE
MARKERS—
see Markers, Metal Cable**

**METAL DIALS—
see Dials, Metal**

**METAL HORNS—
see Horns, Metal**

**METAL PANELS—
see Panel, Metal**

**METAL SHEARS—
see Shears and Snips,
Metal**

**METAL SNIPS—
see Shears and Snips,
Metal**

**METAL SOCKETS—
see Sockets**

**METAL STAMPINGS—
see Stampings, Metal**

**METERS, Ohm—
see Ohmmeters**

METERS, Wave
 Firth Radio Corp., 25 Beaver St., New York, N. Y. "Selbt"
 General Radio Co., 11 Windsor St., Cambridge, Mass.
 Jewell Electrical Instrument Co., 1640 Walnut St., Chicago, Ill
 Selbt—see Firth Radio Corp.

**MICA CONDENSERS—
see Condensers, Fixed**

**MICA DIAPHRAGMS—
see Diaphragms, Mica**

MICA, Sheet and Tube
 American Mica Works, 47 West St., New York, N. Y.
 Asheville Mica Co., Biltmore, N. C.
 Brand & Co., William, 27 E. 22d St., New York, N. Y.
 Chicago Mica Co., Lincoln & Campbell Sts., Valparaiso, Ind. "Micabond"
 Dielectric Mfg. Co., Vandeventer & Duncan Aves., St. Louis, Mo.
 Granite State Mica Co., 63 Gorham St., West Somerville, Mass.
 Hirsch Mica Co., 1087 Flushing Ave., Brooklyn, N. Y.
 Huse-Liberty Mica Co., 73 Long Wharf, Boston, Mass.
 Imico — see International Mica Co.
 International Mica Co., 37th & Brandywine Sts., Philadelphia, Pa. "Imico"
 Melrowsky Bros., 11 McPherson Pl., Jersey City, N. J.
 Mica Co. of Canada, Massena, N. Y.
 Mica Insulator Co., 68 Church St., New York, N. Y. "Micanite"
 Mica Mfg. Co., 135 Johnson St., Brooklyn, N. Y.
 Micabond—see Chicago Mica Co.
 Micanite—see Mica Insulator Co.
 Minerals & Insulation Supplies Co., 96 Spring St., New York, N. Y.
 Munsell & Co., Eugene, 63 Church St., New York, N. Y.
 New England Minerals Co., 52 Devonshire St., Boston, Mass.
 Richmond Mica Co., 323 S. Ninth St., Richmond, Va. "Silver Sheen"

**MICA, Sheet and Tube
Continued**

Schoonmaker Insulation Co.,
A. O., 30 University Pl.,
New York, N. Y.
Silver Sheen—see Richmond
Mica Co.

Storrs Mica Co., Owego, N. Y.
Superior Mica Diaphragm
Co., 61 Park Pl., New York,
N. Y.
Tar Heel Mica Co., Plum-
tree, N. Car.

**MICROMETER
CONTROLS—**

see Attachments, Vernier
also Dials, Vernier

**MICROMETER
DIALS—**

see Dials, Vernier

**MICROPHONE
TRANSFORMERS—**

see Transformers, Micro-
phone

**MICROPHONES,
Transmitting**

American Electric Co., 6401
S. State St., Chicago, Ill.
Federal Telephone Mfg.
Corp., Buffalo, N. Y.
Frost, Herbert H., 314 W.
Superior St., Chicago, Ill.
Globe Phone Mfg. Co., Read-
ing, Mass.
✓ Kellogg Switchboard & Sup-
ply Co., 1066 W. Adams
St., Chicago, Ill. See In-
side Back Cover.
Magnavox Co., 2725 E. 14th
St., Oakland, Cal.
Stromberg-Carlson Telephone
Mfg. Co., 1060 University
Ave., Rochester, N. Y.
Western Electric Co., 100 E.
42d St. New York, N. Y.

MILLIAMMETERS—

see Ammeters and Volt-
meters

MINERALS, Crystal—

see Crystals

MINIATURE JACKS—

see Jacks, Phone Tip

**MINIATURE KNIFE
SWITCHES—**

see Switches, Baby Knife

**MODULATION
TRANSFORMERS—**

see Transformers, Modula-
tion

**MODULATORS,
Magnetic**

Radio Corp. of America, 233
Broadway, New York,
N. Y.

MOLDED DIALS—

see Dials, Rubber

**MOLDED
INSULATION—**

see Insulation, Molders of

**MOLDED
VARIOCOUPERS—**

see Variocouplers

**MOLDED
VARIOMETERS—**

see Variometers

**MOLDING
MACHINES—**

see Machines, Plastic Mold-
ing

**MOLYBDENITE
CRYSTALS—**

see Crystals

**MOTOR
GENERATORS,
BATTERY
CHARGING—**

see Rectifiers, Motor Gen-
erator

**MOUNTING
ADAPTERS—**

see Adapters, Mounting

MOUNTING JIGS—

see Jigs, Mounting

MOUNTINGS, Coil

Eranston, Chas. A., 813 Main
St., Buffalo, N. Y.
Bruno Radio Corp., 221 Ful-
ton St., New York, N. Y.
Columbia Radio Corp., 155
N. Union St., Chicago, Ill.
✓ Coto-Coil Co., Providence,
R. I. See advertisement,
page 165.
Curkoid Corp., 100 Charles
St., New York, N. Y.
Dalton-Whittier-True Co.,
2905 W. Madison St., Chi-
cago, Ill. "Estru"
Estru—see Dalton-Whittier-
True Co.
K B. Mfg. Co., 222 Eighth
St., San Francisco, Cal.
Magnus Electric & Radio
Mfg. Corp., 787 E. 138th
St., New York, N. Y.
National Radio Co., Mar-
shall, Minn.
✓ Patent Electric Co., 91
Seventh Ave., New York,
N. Y. See advertisements,
pages 97 and 157.
Remler Radio Mfg. Co., 182
Second St., San Francisco,
Cal.
Wireless Electric Co., 204
Stanwix St., Pittsburgh,
Pa.

**MOUNTINGS,
Crystal—**

see Holders, Crystal

MOUNTINGS, Fan Coil

Goodman, L. W., 436 Forrest
Ave., Drexel Hill, Pa.

**MOUNTINGS,
Grid-Leak—**

see Holders, Grid-Leak

**MOUNTINGS,
Honeycomb Coil—**

see Mountings, Coil

**MOUNTINGS, Plate
Condenser—**

see Holders, Grid-Leak

**MOUNTINGS,
Resistance—**

see Holders, Grid Leak

MOUNTS, Panel Socket
 ✓ Alden Mfg. Co., Dept. D-4,
 Springfield, Mass. "Na-ald"
 Cataloged on page 137.
 Na-ald—see Alden Mfg. Co.

**MULTIPLE BATTERY
 CABLES—**
 see Cables, Multiple Bat-
 tery

**MULTIPLE CONNec-
 TION BINDING
 POSTS—**
 see Posts, Multiple Connec-
 tion

**MULTIPLE PHONE
 BLOCKS—**
 see Boxes, Multiple Phone

**MULTIPLE PHONE
 CONNECTORS—**
 see Boxes, Multiple Phone
 also Plugs, Multiple Phone
 also Posts, Multiple Connec-
 tion Binding

**MULTIPLE
 PHONE PLUGS—**
 see Plugs, Multiple Phone

NAME PLATES—
 see Plates, Name

**NEUTRALIZING
 CONDENSERS—**
 see Condensers, Neutral-
 izing

NUTS, Brass
 ✓ Arrow Hardware Corp. 27
 Vestry St., New York, N.Y.
 See advertisement, page
 150.
 Blake & Johnson Co., 1495
 Thomaston Ave., Water-
 bury, Conn.
 Bridgeport Brass Co., Bridge-
 port, Conn.
 Chicago Nut Mfg. Co., 2513
 W. Cullerton St., Chicago,
 Ill.
 Economy Screw Corp., 5215
 Ravenswood Ave., Chicago,
 Ill.
 Hart & Hegeman Mfg. Co.,
 342 Capitol Ave., Hartford,
 Conn. "H & H"

H & H—see Hart & Hegeman Mfg. Co.
 Namco—see National Acme Co.
 ✓ National Acme Co., Cleve-
 land, Ohio. "Namco" See
 advertisement, page 113.
 Pheoll Mfg. Co., 5700 Roose-
 velt Rd., Chicago, Ill.
 ✓ Seovill Mfg. Co., Waterbury,
 Conn. See advertisement,
 page 113.
 Screw Machine Specialty Co.,
 314 29th St., Pittsburgh,
 Pa.
 Steele & Johnson Mfg. Co.,
 779 S. Main St., Water-
 bury, Conn.
 Waterbury Mfg. Co., Water-
 bury, Conn.

NUTS, Hexagon—
 see Nuts, Brass

OHMMETERS
 Biddle, James G., 1211 Arch
 St., Philadelphia, Pa.
 "Meg"
 Illinois Testing Laboratories,
 141 W. Austin Ave., Chi-
 cago, Ill.
 Meg—see Biddle, James G.
 Queen-Gray Co., 70 W. John-
 son St., (Germantown),
 Philadelphia, Pa.
 Standco—see Sticht & Co.
 Sticht & Co., Herman H., 15
 Park Row, New York,
 N. Y. "Standco"

**OPEN CIRCUIT
 JACKS—**
 see Jacks, Phone

**OPEN END
 WRENCHES—**
 see Wrenches, Open End

**OSCILLATION
 TRANSFORMERS—**
 see Transformers, Oscilla-
 tion

**OSCILLATOR
 COUPLERS—**
 see Couplers, Oscillator

**OUTDOOR
 AERIALS—**
 see Aerials, Outdoor

OUTFITS, Testing—
 see Sets, Electrical Test-
 ing

**OUTPUT
 CLARIFIERS—**
 see Filters and Clarifiers,
 Output

OUTPUT FILTERS—
 see Filters and Clarifiers,
 Output

PADS, RUBBER—
 see Cushions, Rubber Set

PAINT, Storage Battery
 American Di-Electric, Ltd.,
 466 E. Seventh St.,
 Brooklyn, N. Y.
 Barber Asphalt Co., Land
 Title Bldg., Philadelphia,
 Pa. "Genasco"
 Genasco—see Barber Asphalt
 Co.

PANCAKE COILS—
 see Coils, Inductance

PANEL CUTTERS—
 see Cutters, Panel Hole

**PANEL ENGRAVING
 MACHINES—**
 see Machine, Engraving

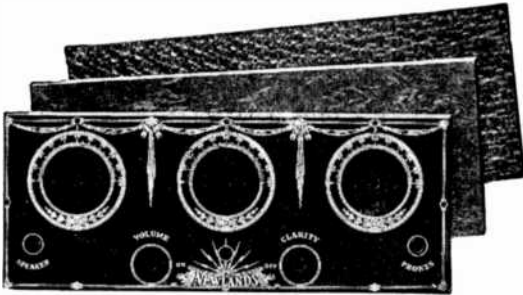
**PANEL
 ENGRAVINGS—**
 see Transfers, Decalco-
 mania

**PANEL KNIFE
 SWITCHES—**
 see Switches, Baby Knife

**PANEL LEVER
 SWITCHES—**
 see Switches, Panel Lever

PANEL SAWS—
 see Saws, Panel

INSULINE PANELS and PARTS



This standard insulating material, universally known for its beautiful mirror-like finish and high dielectric properties, satisfies the demand for a quality product at a moderate price.

Insuline is made specially for radio use. It does not chip, crack nor get soft; withstands hard usage; can be worked with ordinary tools.

In three finishes, as shown above: top, Frieze finish; center, Mahogany; lower, Black, with Etch-O-Gravure design. In all standard and special sizes; also drilled and engraved for nine well known circuits.

Etch-O-Gravure Process

Beautiful etched effects in gold or white, not obtainable by any other process. Permits the expression of your own ideas in decoration. Costs less than ordinary engraving. Our engraving plant, the largest of its kind in the country, executes every type of engraving at lowest trade prices. Estimates gladly submitted on receipt of specifications.



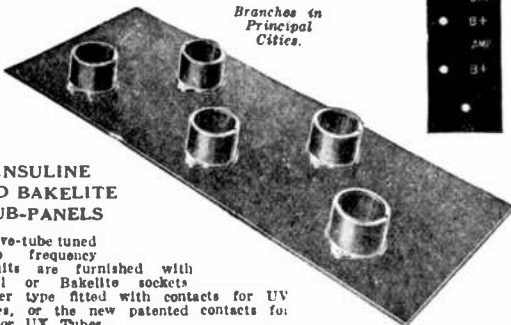
Insuline Aerial Insulators; heat-resist ing; strain resistance 1 000 lbs.

RADIO PANEL & PARTS CORP.
(Insulating Company of America)
Insuline Bldg., 50 Warren St.
New York

Branches in
Principal
Cities.

INSULINE AND BAKELITE SUB-PANELS

for five-tube tuned radio frequency circuits are furnished with metal or Bakelite sockets. Either type fitted with contacts for UV Tubes, or the new patented contacts for UV or UX Tubes.



Insuline Binding Post Panels, drilled and engraved black or mahogany. 1 1/2 x 7 in.



PANEL SHIELDING—
see Shielding, Panel

PANEL SOCKET MOUNTS—
see Mounts, Panel Socket

PANEL SWITCHES—
see Switches, Baby Knife
also Switches, Inductance
also Switches, Panel Lever
also Switches, Push-Pull

PANELING—
see Fibre, Vulcanized
also Insulation, Composition
also Rubber, Hard

PANELS, Composition—
see Insulation, Composition

PANELS, Cutters, Drillers and Engravers of
Accurate Panel Engraving Corp., 12 Elm St., New York, N. Y.
Aetna Radio Panel Co., 30 Park Pl., New York, N. Y.
"D X Ite"
Allied Radio Co., 108 Greenwich St., New York, N. Y.
American Radio Panel Co., Commercial Wharf, Newark, N. J.
Bay State Panel Co., 16 Hudson St., New York, N. Y.
✓ Calvert Specialty Co., 141 N. 11th St., Philadelphia, Pa. See advertisement, page 92.
Clenning Radio Products Inc., 72 Park Pl., New York, N. Y.
Cortlandt Panel Engraving Co., 81 Cortlandt St., New York, N. Y.
✓ Crescent Radio Supply Co., 7 Liberty St., Jamaica, N. Y. Cataloged on page 107.
Dejco—see Johnson Co.
D X Ite—see Aetna Radio Panel Co.
Excell Radio Mfg. Co., 711 W. Jefferson St., Los Angeles, Cal.
Foradio—see Goldstein & Co.
✓ Formica Insulating Co., 4670 Spring Grove Ave., Cincinnati, Ohio. "Verl Chrome." See advertisement, page 91.
Goldstein & Co., Paul, 54 Franklin St., New York, N. Y. "Foradio"
Grammes & Sons, L. F., 433 Union St., Allentown, Pa.
Johnson Co., D. E., 221 Fulton St., New York, N. Y. "Dejco"

More Attractive and Less Costly Radio Panels

THE biggest idea in radio set production in years is the Veri Chrome method of decorating panels.

It costs much less than engraving—and decoration of any degree of elaborateness may be used. The amount of decoration has no effect on the price of preparing the panel.

Tuning scales may be marked directly on the panel. They may be arranged in both degrees and wave lengths. Pointers may be used instead of dials, affecting large economies.

The decorations may be drawn by the world's greatest decorative artists. Gold, silver, copper or any color may be used. These decorations are absolutely permanent.

Production of panels is rapid and certain. Engraving used to be the neck of the bottle in production—but the flexibility of the Veri Chrome process makes quantity production easy.

The Veri Chrome laboratories are now backed by the financial, production and service resources of the Formica Insulation Company.

The Formica representative in your territory can quote on the Veri Chrome process applied to your panel, or write direct to



The Formica Insulation Co.
4670 Spring Grove Ave., Cincinnati, Ohio

VERI CHROME

on Radio Panels



Panel engraving

We are supplying some of the largest radio manufacturers with finely engraved radio panels.

While we make a specialty of production work, we do small job work—including single panels—as well.

Best grade of Celoron panels used. Send your blueprints for estimating, and let us submit a sample of our fine workmanship. No obligation.

WE also manufacture the CALVERT LOOP, "master key to the air."

It is low in resistance and in capacity, and is directional.

Natural wave-length, 141 meters. Distributed capacity 22 u.u.f.

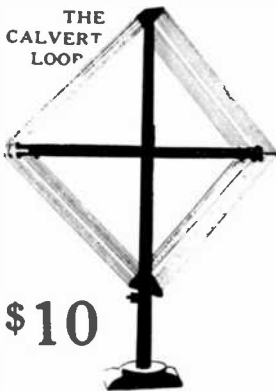
True inductance, 242 u.h.y.

Used with a 23-plate condenser, the CALVERT LOOP gives you a uniform range of 190 to 600 meters.

This highly efficient, distinctively attractive loop sells for \$10, with a dealer's discount of 35%.

WRITE YOUR JOBBER OR DIRECT TO US

THE
CALVERT
LOOP



\$10

Calvert Specialty Co., Inc.

141 N. 11th St., Philadelphia, Pa.

PANELS, Cutters, Drillers and Engravers of Continued

Klmo Panel Engr. Co., 237 Greenwich St., New York, N. Y.

Marine Radio Mfg. & Electric Co., 1044 St. Nicholas Ave., New York, N. Y.

Moeller Machine Co., 2714 S. Canal St., Chicago, Ill.

National Radio Panel Co., 319 Broadway, New York, N. Y.

Neocraft Co., 1482 Broadway, New York, N. Y.

Ness, Jr., Geo. M., 61 Fulton St., New York, N. Y.

New York Hard Rubber Turning Co., 212 Centre St., New York, N. Y.

Northwestern Radio Mfg. Co., 1556 E. Taylor St., Portland, Ore.

Oeters Co., Edgar O., 605 Arch St., Philadelphia, Pa.

Panelyte Board Co., Enterprise Ave., Trenton, N. J.

Paramount Machine Co., 207 Market St., Newark, N. J.

Peffer, R. M., 334 Chestnut St., Harrisburg, Pa.

Phenol Products Co., 351 Halsey St., Newark, N. J.

Poster & Co., 26 Barclay St., New York, N. Y.

✓Radio Panel & Parts Corp., 59 Warren St., New York, N. Y. See advertisement, page 90.

Radio Panel & Tubing Co., 514 Orange St., Newark, N. J.

Roselle Mfg. Co., 215 E. Ninth Ave., Roselle, N. J.

Rosto Radio Engraving Plant, 50 Commercial St., Newark, N. J.

✓Schmidt, Inc., Geo. T., 1800 Belle Plaine Ave., Chicago, Ill. See advertisement, page 93.

Schwenke Machine Engraving Co., 2036 Woodward Ave., Detroit, Mich.

Starrett Mfg. Co., 519 S. Green St., Chicago, Ill.

United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.

Universal Insulation Co., 215 Emmet St., Newark, N. J.

Veri Chrome—see Formica Insulating Co.

Victor Radio Parts Co., 104 Portland St., Boston, Mass.

Williams Radio Panel Co., 64 E. 11th St., New York, N. Y.

✓Wright Radio Co., 111 Exchange St., Rockland, Mass. See advertisement, page 95.

PANELS, Drillers of—
see Panels, Cutters, Drillers and Engravers of

PANELS,
Engravers of—
see Panels, Cutters, Drillers
and Engravers of

PANELS, Fibre—
see Fibre, Vulcanized

PANELS, Glass
Hornig, August W., 3921
Dickens Ave., Chicago, Ill.
Radio Shop, Batesville, Ark.

**PANELS, Hard
Rubber—**
see Panels, Cutters, Drillers
and Engravers of
also Rubber, Hard

PANELS, Laminated—
see Insulation, Composi-
tion

PANELS, Metal
Aluminum Co. of America,
Oliver Bldg., Pittsburgh,
Pa.
B. M. S.—see Brooklyn Metal
Stamping Corp.
✓Brooklyn Metal Stamping
Corp., 718 Atlantic Ave.,
Brooklyn, N. Y. "B. M. S."
Catalogued on page 82.
✓Crowe Name Plate & Mfg.
Co., 1749 Grace St., Chi-
cago, Ill. See advertise-
ment, page 86.
Etch-Art—see Grammes &
Sons.
✓Etched Products Corp., 90
Tenth St., Long Island
City, N. Y. See advertise-
ment, page 91.
Etching Co. of America, 1520
Montana St., Chicago, Ill.
✓General Etching & Mfg. Co.,
312-16 S. Hamilton Ave.,
Chicago, Ill. See adver-
tisement, page 93.
Grammes & Sons L. F., 438
Union St., Allentown, Pa.
"Etch-Art"
Hanson Co., C. H., 178 N.
Clark St., Chicago, Ill.
✓Litho-Etching Corp., 52 Van-
derbilt Ave., New York,
N. Y. See advertisement,
page 53.
✓Premier Metal Etching Co.,
300-30 Van Alst Avenue, Long
Island City, N. Y. See ad-
vertisement, page 93.
Royal Metal Process Co., 313
Canal St., New York, N. Y.

**PANELS, Phonograph
Adapting—**
see Sets, Phonograph
Adapting

ENGRAVED & DRILLED
CELORON
BAKELITE
RADIO PANELS
Get our quotation
GEO. T. SCHMIDT, Inc.
1800 Belle Plaine Ave. CHICAGO, ILL.

**Metal Dials, Name Plates,
Markers, etc.**

PANELS *Etched metal, also Process Let-
tering applied on your Bakelite
or Composition Panels.*

General Etching and Mfg. Co.
MANUFACTURERS OF
ETCHED AND LITHOGRAPHED
METAL PRODUCTS

312-14-16 So. Hamilton Ave., Chicago, Ill.

***Production Need Not Be Held Up
For PANEL DELIVERIES***

Manufacturers have been quick to take advantage of the attractive finishes of etched name plates, dials and pointers, and now are turning to complete ETCHED PANELS as well.

Your panel can be rapidly and inexpensively produced by this process whether it be simple or elaborate in design.

Etched panels keep pace with your production—they are unbreakable—come to you ready for immediate assembly.

WRITE FOR SAMPLES AND PRICES

PREMIER METAL ETCHING CO.

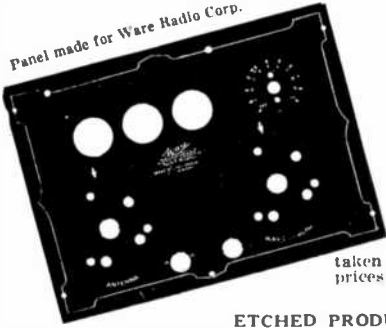
300-330 Van Alst Avenue
Long Island City, N. Y.

Makers of

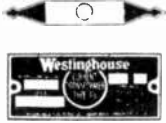
Panels	}	Etched in	{	Brass
Dials				Bronze
Pointers				Aluminum
Name Plates				Etc.

ETCHED PRODUCTS CORP., 90 10th Street, Long Island City, N. Y.

Panel made for Ware Radio Corp.

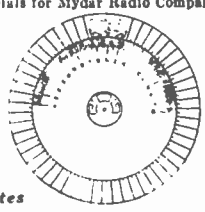


Panels and Pointers for Thermodyne Radio Corp.



Westinghouse Name Plate

Dials for Mydar Radio Company



Etched Panels—Dials—Name Plates

Metal panels made of brass, bronze and aluminum have taken the Radio Industry by storm by reason of their lower prices and much more attractive appearance.

Let us quote on your requirements.

PANELS, Rubber—
see Panels, Cutters, Drillers and Engravers of also Rubber, Hard

PANELS, Wired Sub—
see Boards, Wired Base

PAPER, Emery and Sand

American Glue Co., 121 Beverly St., Boston, Mass. "Union"

Armour Sand Paper Works, 1355 W. 31st St., Chicago, Ill.

B-A—see Baeder, Adamson & Co.

Baeder, Adamson & Co., Richmond St. & Alleghany Ave., Philadelphia, Pa. "B-A"

Behr & Co., Herman, 31 Tiffany Pl., Brooklyn, N. Y. "Brooklyn"

Brooklyn—see Behr & Co. Carborundum Co., Buffalo & 18th Sts., Niagara Falls, N. Y.

Crystal Bay—see Minnesota Mining & Mfg. Co.

Durite—see Manning Abrasive Co.

Manning Abrasive Co., Troy, N. Y. "Metalite," "Durite"

Metalite—see Manning Abrasive Co.

Minnesota Mining & Mfg. Co., St. Paul, Minn. "Three-Mite"

Ruff-Stuff—see Wausau Abrasives Co.

Three-Mite—see Minnesota Mining & Mfg. Co.

Union—see American Glue Co.

Wausau Abrasive Co., 1017 Harrison Blvd., Wausau, Wis. "Ruff-Stuff"

PAPER HORNS, PRESSED—
see Horns, Papier Mache

PAPER, Resistance
O'Meara Co., Maurice, 448 Pearl St., New York, N. Y.

PAPER TUBES—
see Tubes, Paper

PAPIER MACHE HORNS—
see Horns, Papier Mache

PARTS, Composition—
see Composition, Insulating

PARTS, Die Cast—
see Castings, Die

PARTS, Molded—
see Insulation, Molded

PASTE, Soldering—
see Flux, Soldering

PEEK HOLE BEADERS—
see Tools, Bezel Beading

PERMANENT MAGNETS—
see Magnets, Permanent

PHONE ADAPTERS—
see Adapters, Phonograph

PHONE CORD—
see Cord, Flexible Tinsel

PHONE CORD TIPS—
see Tips, Cord

PHONE CORDS—
see Cords, Telephone

PHONE JACKS—
see Jacks, Phone

PHONE PLUGS—
see Plugs, Multiple also Plugs, Single

PHONE TIP JACKS—
see Jacks, Cord Tip

PHONES, Head—
see Heads-Sets

PHONES, Single—
see Units, Loud Speaker

PHONOGRAPH ADAPTERS—
see Adapters, Phonograph

PHONOGRAPH PANELS—
see Sets, Phonograph Adapting

PHONOGRAPH SETS, Combination Radio—
see Sets, Combination Radio-Phonograph

PHONOGRAPH UNITS—
see Units, Loud Speaker

PIANO HINGES—
see Hinges, Continuous

PIPE CLAMPS—
see Clamps, Ground

PLASTIC MOLDING MACHINES—
see Machines, Plastic Molding

PLATE CONDENSER HOLDERS—
see Holders, Grid-Leak

PLATE CONDENSER MOUNTINGS—
see Holders, Grid-Leak

PLATE CURRENT GENERATORS—
see Generators, High Frequency

PLATE CURRENT SUPPLY KITS, Knockdown—
see Rectifiers, Knockdown Plate Current Supply

PLATE CURRENT SUPPLY RECTIFIERS—
see Rectifiers, Filament Current Supply also Rectifiers, Plate Current Supply also Rectifiers, Filament and Plate Current Supply

PLATE CURRENT SUPPLY RECTIFIERS, Knockdown—
see Rectifiers, Knockdown Plate Current Supply

PLATE REACTORS—
see Reactors, Plate

PLATE VOLTMETERS—
see Ammeters and Voltmeters, Panel

PLATES, Battery—
see Batteries, Storage

PANEL ENGRAVING

Let us cut your engraving costs

Fast, accurate work guaranteed on singles or quantity.

We are supplying well known manufacturers with engraved panels

Mfg's of the

WRIGHT CAGE ANTENNA
and special parts on contract

WRIGHT RADIO COMPANY

144 Exchange Street, ROCKLAND, MASS.



RADIO PARTS

mean the maximum of satisfaction to the radio retailer in his radio merchandising. Every time you sell a Stasco Vernier Dial or Rheostat, you are bound to make another satisfied customer. And satisfied customers mean not only a sounder business but increased sales, and of course, more profits.

Also manufacturers of
Bezels, Battery Test Clips, etc.

Sheffield Trimming & Stamping Corp.,
211 Centre St., New York City

PLATES, Jack Name

- ✓ Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- ✓ Crowe Name Plate & Mfg. Co., 1749 Grace St., Chicago, Ill. See advertisement, page 86.
- Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

Etching Co. of America, 1520 Montana St., Chicago, Ill.

✓ General Etching & Mfg. Co., 312-16 S. Hamilton Ave., Chicago, Ill. See advertisement, page 93.

Grammes & Sons, L. F., 438 Union St., Allentown, Pa.

Hoggson & Pettis Mfg. Co., 141 Brewery St., New Haven, Conn.

✓ Litho-Etching Corp., 52 Vanderbilt Ave., New York, N. Y. See advertisement, page 52.

Matthews & Co., Jas. H., 3942 Forbes St., Pittsburgh, Pa.

Mayer & Co., Geo. J., 36 S. Meridian St., Indianapolis, Ind.

Murdock Stamp & Specialty Co., 123 W. Pearl St., Cincinnati, Ohio

✓ Patent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.

✓ Premier Metal Etching Co., 300-30 Van Alst Ave., Long Island City, N. Y. See advertisement, page 93.

Royal Metal Process Co., 313 Canal St., New York, N. Y.

Spencer Mfg. Co., S. M., Washington & Cornhill Sts., Boston, Mass.

Stafford Co., N., 96 Fulton St., New York, N. Y.

Triangle Atlantic Corp., 349 Adams St., Brooklyn, N. Y.

PLATES, MOUNTING—

see Adapters, Mounting

PLATES, Name

- Acme Etched Products Co., 459 Brady St., Detroit, Mich.
- Auld Co., D. L., Fifth Ave. & Fifth St., Columbus, Ohio
- ✓ Crowe Name Plate & Mfg. Co., 1749 Grace St., Chicago, Ill. See advertisement, page 86.
- Detroit Name Plate Etching Co., 648 E. Congress St., Detroit, Mich.
- Electro Chemical Engraving Co., 52 Vanderbilt Ave., New York, N. Y.
- ✓ Etched Products Corp., 90 Tenth St., Long Island City, N. Y. See advertisement, page 94.

PLATINUM, Sheet, Rod and Wire

see also Points, Contact
 American Platinum Works,
 N. J. R.R. Ave. & Olive St.,
 Newark, N. J.
 Baker & Co., 54 Austin St.,
 Newark, N. J.
 R & H Platinum Works, 709
 Sixth Ave., New York,
 N. Y.
 Wilco—see Wilson Co.
 Wilson Co., H. A., 97 Chest-
 nut St., Newark, N. J.
 "Wilco"

PLIERS, Combination

Athol Machine Co., Athol,
 Mass.
 Bergman Tool Mfg. Co.,
 1573 Niagara St., Buffalo,
 N. Y.
 Bonney Forge & Tool Works,
 Allentown, Pa.
 Braunsdorf - Mueller Co., 205
 Madison St., Elizabeth,
 N. J.
 ✓Bridgeport Hardware Mfg.
 Corp., Dept. R., Bridgeport,
 Conn. "Radio-Lectric." See
 advertisement, page 57.
 Buffum Tool Co., Louisiana,
 Mo.
 Cronk & Carrier Mfg. Co.,
 Montour Falls, N. Y.
 Dreadnaught—see Kraeuter
 & Co.
 Erie Tool Works, 11th &
 French Sts., Erie, Pa.
 Gittatit—see Smith & Co.
 Goodell-Pratt Co., Wells St.,
 Greenfield, Mass.
 Goyer Co., Bank & Valley
 Sts., Willimantic, Conn.
 "Windham"
 Herbrand Co., 109 E. State
 St., Fremont, Ohio
 Kilbourne & Bishop Co., 196
 Chapel St., New Haven,
 Conn. "Reliance," "Star"
 Kraeuter & Co., 583 18th
 Ave., Newark, N. J.
 "Dreadnaught," "Victor"
 Mayhew Steel Products, Inc.,
 Shelbourne Falls, Mass.
 Mossberg Co., Frank, Lamb
 St., Attleboro, Mass.
 Peck, Stow & Wilcox Co., 217
 Center St., Southington,
 Conn. "Pexto"
 Pexto—see Peck, Stow &
 Wilcox Co.
 Radio-Lectric—see Bridge-
 port Hardware Mfg. Corp.
 Red Devil—see Smith &
 Hemenway
 Reliance—see Kilbourne &
 Bishop Co.
 Schollhorn Co., Wm., 414
 Chapel St., New Haven,
 Conn.
 Smith & Co., H. D., Plants-
 ville, Conn. "Gittatit"
 Smith & Hemenway, 261
 Broadway, New York, N. Y.
 "Red Devil"
 Star—see Kilbourne & Bishop
 Co.
 Starrett Co., L. S., 165 Cres-
 cent St., Athol, Mass.
 Utica Drop Forge & Tool Co.,
 2415 Whitesboro St., Utica,
 N. Y.
 Vesco Radio Co., 6428 E.
 14th St., Oakland, Cal.
 Victor—see Kraeuter & Co.
 Windham—see Goyer Co.

PLIERS, Round Nose

Peck, Stow & Wilcox Co., 217
 Center St., Southington,
 Conn. "Pexto"
 Pexto—see Peck, Stow &
 Wilcox Co.
 Radiogem Corp., 66 W.
 Broadway, New York, N. Y.
 "Rageco"
 Rageco—see Radiogem Corp.
 ✓Stevens & Co., 375 Broad-
 way, New York, N. Y.
 Cataloged on page 186.

PLUGS, Antenna or Socket

✓Aerovox Wireless Corp., 489-
 93 Broome St., New York,
 N. Y. See advertisement,
 page 38.
 Ajax Electric Specialty Co.,
 1926 Chestnut St., St.
 Louis, Mo.
 Antenella—see Freshman Co.
 D. & B. Radio Service, 419
 Riopelle St., Detroit, Mich.
 ✓Dubilier Condenser & Radio
 Corp., Bronx Blvd. & 238th
 St., New York, N. Y.
 "Ducon" See advertise-
 ment, page 37.
 Ducon—see Dubilier Con-
 denser & Radio Corp.
 Electrad, Inc., 428 Broadway,
 New York, N. Y.
 Freshman Co., Chas., 240 W.
 40th St., New York, N. Y.
 "Antenella"
 Globe Phone Mfg. Co., Read-
 ing, Mass.
 ✓Kellogg Switchboard & Sup-
 ply Co., 1066 W. Adams
 St., Chicago, Ill. See In-
 side Back Cover.
 Magnus Electric & Radio
 Mfg. Corp., 787 E. 138th
 St., New York, N. Y.
 Webb Electric Mfg. Co.,
 2498 Kingston Rd., Cleve-
 land, Ohio "W. W."
 W. W.—see Webb Electric
 Mfg. Co.

PLUGS, Coil

Mounting—
 see Mountings, Honeycomb
 Coil

PLUGS, Cord Tip

✓Carter Radio Co., 1815 Re-
 public Bldg., Chicago, Ill.
 "Imp." See advertisement,
 page 81.
 Frost, Herbert H., 314 W.
 Superior St., Chicago, Ill.
 Imp—see Carter Radio Co.
 Yaxley Mfg. Co., 217 N. Des-
 plaines St., Chicago, Ill.

PLUGS, Multiple Phone

Ajax Electric Specialty Co.,
 1926 Chestnut St., St.
 Louis, Mo.
 Ajax—see Philmore Mfg. Co.
 American Electric Co., 6401
 S. State St., Chicago, Ill.
 Barkeley Electric Mfg. Co.,
 Middletown, Ohio

Beacon Radio Mfg. Co., 100
 S. Third St., Brooklyn,
 N. Y.

Bestone—see Hyman & Co.
 Bull Dog—see Firth Radio
 Corp.

✓Carter Radio Co., 1815 Re-
 public Bldg., Chicago, Ill.
 "Tu-Way." See advertise-
 ment, page 81.

Cico—see Consolidated In-
 strument Co.

Consolidated Instrument Co.
 of America, 41 E. 42d St.,
 New York, N. Y. "Cico."

✓Eby Mfg. Co., H. H., Phila-
 delphia, Pa. "Tip Top."
 See advertisement, page
 98.

Electrical Research Labora-
 tories, 2500 Cottage Grove
 Ave., Chicago, Ill. "Erla"
 Erla—see Electrical Re-
 search Laboratories.

Firth Radio Corp., 25 Beaver
 St., New York, N. Y. "Bull
 Dog"

Four Way Co., 29 Worthing-
 ton St., Springfield, Mass.
 Frost, Herbert H., 314 W.
 Superior St., Chicago, Ill.

G. W.—see Walker Co.
 Howard Radio Co., 461 E.
 Ohio St., Chicago, Ill.

Hyman & Co., Henry, 476
 Broadway, New York, N. Y.
 "Bestone"

King Quality Products, Inc.,
 Rano St., Buffalo, N. Y.
 Leich Electric Co., Genoa, Ill.

Magnus Electric & Radio
 Mfg. Corp., 787 E. 138th
 St., New York, N. Y.

Mar-Co—see Martin-Cope-
 land Co.

✓Martin-Copeland Co., Provi-
 dence, R. I. "Mar-Co." See
 advertisement, page 69.

✓Murdock Co., Wm. J., 430
 Washington Ave., Chelsea,
 Mass. See advertisement,
 page 121.

✓Paucet Electric Co., 91 Sev-
 enth Ave., New York, N. Y.
 See advertisements, pages
 97 and 157.

Philmore Mfg. Co., 105
 Chambers St., New York,
 N. Y. "Ajax"

Pilot Electric Mfg. Co., 323
 Berry St., Brooklyn, N. Y.

Preferred Radio Products
 Corp., 408 E. 93d St., New
 York, N. Y.

Tip Top—see Eby Mfg. Co.
 Tu-Way—see Carter Radio
 Co.

Walker Co., G. E., 1926
 Chestnut St., St. Louis, Mo.
 "G. W."

Yaxley Mfg. Co., 217 N. Des-
 plaines St., Chicago, Ill.

PLUGS, Single Phone

Air-Way Electric Appliance
 Corp., 618 Broadway, To-
 ledo, Ohio. "Green Seal"

Ajax—see Philmore Mfg. Co.
 Ajax Electric Specialty Co.,
 1926 Chestnut St., St.
 Louis, Mo.

Barnes Co., Wallace, Bristol,
 Conn.

Beacon Radio Mfg. Co., 100
 S. Third St., Brooklyn,
 N. Y.

**PLUGS, Single Phone
Continued**

- ✓Bell Mfg. Co., 11 Elkins St., Boston, Mass. Cataloged on page 136.
- Bestone—see Hyman & Co. B. M. S.—see Brooklyn Metal Stamping Corp.
- Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
- Branton, Chas. A., 813 Main St., Buffalo, N. Y.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "Tri-Plug," "B. M. S." Cataloged on page 82.
- Bull Dog—see Firth Radio Corp.
- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- ✓Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.
- Cico — see Consolidated Instrument Co.
- Consolidated Instrument Co. of America, 41 E. 42d St., New York, N. Y. "Cico"
- Cosmopolitan Radio Appliance Co., 25 Church St., New York, N. Y.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- Dymac—see Electrical Products Mfg. Co.
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- E-Z—see Polymet Mfg. Corp.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Fenton, N., 57 Murray St., New York, N. Y.
- Firth Radio Corp., 25 Beaver St., New York, N. Y. "Bull Dog"
- Four Way Co., 29 Worthington St., Springfield, Mass.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Gillilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Green Seal — see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Haynes-Griffin Radio Service —see Tested Radio Products
- H & H—see Hart & Hegeman Mfg. Co.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- Inter-Ocean Radio Co.p., 205 Tenth St., Jersey City, N.J. "Reverso"
- ✓Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 117.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- Leich Electric Co., Genoa, Ill.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Mar-Co — see Martin-Copeland Co.

The Best Plug at a Better Price—



**The
Pacent Autoplug**

Now 60 cents



No. 60
Price 60c.

THIS plug is entirely shock-proof, for the entire length of the cord tips is encased by the plug shell and no metal parts are exposed. The shell is made of genuine Bakelite. No screws are used in its assembly, and there is nothing to work loose or cause trouble.

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St. Louis
Buffalo
Jacksonville
Detroit
Pittsburgh

DON'T IMPROVISE — PACENTIZE


Canadian Licensees: White Radio Ltd., Hamilton, Ont.

- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co." See advertisement, page 69.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Muzada"
- ✓Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- ✓Muter Co., Leslie F., 764th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
- Muzada — see Mazda Radio Mfg. Co.
- National Electric Co., 165 Broadway, New York, N.Y.
- ✓Pacent Electric Co., 91 Seventh Ave., New York, N.Y. See advertisements, pages 97 and 157.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pilot Electric Mfg. Co., 323 Berry St., Brooklyn, N. Y.
- Poly — see Polymet Mfg. Corp.
- ✓Polymet Mfg. Corp., 599-601 Broadway, New York, N.Y. "Poly" "E-Z." See advertisement, page 109.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
- Presto Machine Products Co., 70 Washington St., Brooklyn, N. Y.

- Reverso — see Inter-Ocean Radio Corp.
- Saturn Mfg. & Sales Co., 48 Beekman St., New York, N. Y.
- Schiff Laboratories, 283 Glenwood Ave., Bloomfield, N. J.
- ✓Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 141.
- Splitdorf - Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
- Stuart Products Corp., 663 W. Washington Blvd., Chicago, Ill.
- ✓Tested Radio Products, Inc., 214 W. 40th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Tri-Plug — see Brooklyn Metal Stamping Corp.
- Waterbury Button Co., Waterbury, Conn.
- Weston Electrical Instrument Corp., 36 Weston Ave., Newark, N. J.
- "X" Laboratories, 25 W. 45th St., New York, N. Y.
- Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

PLUGS, Socket—

see **Plugs, Antenna or Socket**



15c.  15c.

BINDING POSTS

Can be identified by their bases. The base of every genuine EBY post is clearly marked with our name. The EBY line is absolutely complete and includes two different types of insulated posts, two different types of metal posts and one, our ACE, with an insulated top and metal base. Our ENSIGN is furnished either plain or engraved in twenty-five different markings which will meet the requirements of any hook-up.

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H. H. EBY MFG. CO., Phila., Pa.

The New Adams Binding Post

For all radio purposes. A quick acting binding post of a thousand uses. To connect, just lift cap and slip wire through hole in the side. The strong spring grips it firmly and assures a good contact. To release, lift the cap and remove wire. Made entirely of brass, finished in polished nickel.



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List Price 15c. Each

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1044 W. Van Buren St., CHICAGO

POCKET AMMETERS—
see Ammeters and Voltmeters

POCKET INSTRUMENTS—
see Ammeters and Voltmeters

POCKET METERS—
see Ammeters and Voltmeters

POCKET VOLTMETERS—
see Ammeters and Voltmeters

POINT FILES—
see Files, Contact Point

POINTERS, Dial
Butts, C. W., 42 Hedden Pl., East Orange, N. J. "Eureka"

✓ Etched Products Corp., 90 Tenth St., Long Island City, N. Y. See advertisement, page 94.
Eureka—see Butts, C. W.
Haller, W. B., 2100 Sarah St., S. S., Pittsburgh, Pa.
Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
Marie Engineering Co., Orange, N. J.
✓ Premier Metal Etching Co., 300-30 Van Alst Ave., Long Island City, N. Y. See advertisement, page 93.
Radio Specialty Co., 98 Park Pl., New York, N. Y. "Rasco"
Itasco—see Radio Specialty Co.

POINTS, Contact

see also Platinum
Ajax—see Philmore Mfg. Co.
American Platinum Works, N. J. R.R. Ave. & Olive St., Newark, N. J.
Baker & Co., 54 Austin St., Newark, N. J.
Bishop & Co. Platinum Works, J., Malvern, Pa.
Electrical Alloy Co., Ridge-dale Ave. & John St., Morristown, N. J. "Magno"
Elkon Works of General Electric Co., 515 Gregory Ave., Weehawken, N. J.
✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See inside Back Cover.
Magno—see Electrical Alloy Co.

Philmore Mfg. Co. 105 Chambers St., New York, N. Y. "Ajax"
R. & H. Platinum Works, 709 Sixth Ave., New York, N. Y.
Triangle Atlantic Corp., 349 Adams St., Brooklyn, N. Y.
Wilco—see Wilson Co.
Wilson Co., H. A., 97 Chestnut St., Newark, N. J. "Wilco"

POINTS, Switch—
see Contacts, Switch

POLE FITTINGS—
see Fittings, Iron Antenna Pole

POLES, Aerial—
see Poles, Steel
also Towers, Steel

POLES, Steel
Archbold Brady Co., Syracuse, N. Y.
Bates Expanded Steel Truss Co., Illinois Merchants Bank Bldg., Chicago, Ill.
Truscon Steel Co., Youngstown, Ohio
Whittlesey Engineering Co., Cleveland, Ohio

POLISHERS, ELECTRIC—
see Drills, Electric

PORCELAIN CLEATS—
see Cleats, Porcelain

PORCELAIN INSULATORS—
see Insulators, Porcelain

PORCELAIN KNOBS—
see Knobs, Porcelain

PORCELAIN SOCKETS—
see Sockets, Vacuum Tube

PORCELAIN WIRING TUBES—
see Tubes, Porcelain

PORTABLE ELECTRIC DRILLS—

see Drills, Electric Portable

PORTABLE JACKS—

see Jacks, Extension

PORTABLE SETS—

see Sets, Vacuum Tube

POSTS, Composition Binding

- A. C. H.—see Hayden Radio & Research Co.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Ballgrip—see Quality Molded Products, Inc.
- Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Brenco." See advertisement, page 138.
- Brenco—see Bennington Radio & Electric Mfg. Co.
- Chapman Machine Co., Terryville, Conn.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Eby Mfg. Co., H. H., Philadelphia, Pa. "Ensign." See advertisement, page 98.
- Ensign—see Eby Mfg. Co.
- Essex Mfg. Co., 117 Mulberry St., Newark, N. J.
- Firth Radio Corp., 25 Beaver St., New York, N. Y.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio.
- Ganio-Kramer Co., 238 W. 53d St., New York, N. Y. "G-K."
- General Insulate Co., 1008 Atlantic Ave., Brooklyn, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Gillilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- G-K—see Ganio-Kramer Co.
- Green Seal—see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Hayden Radio & Research Co., A. C., Brockton, Mass. "A. C. H."
- H & H—see Hart & Hegeman Mfg. Co.
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
- Johns-Pratt Co., Hartford, Conn.
- Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill. "No-Kum-Apart"

Used in Every Popular Construction Set



See "SELF-ADJUSTING" Rheostat

Amperite eliminates hand rheostats and simplifies set wiring. Used as standard equipment by numerous set manufacturers.

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Write to Dept. RTD 1 for information that will mean continuous profit for you.

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50-52 Franklin St., New York



SOS Hydrometer

For "a" Storage Batteries

Easy to read and ready to use. Leading battery manufacturers use the Patented Chaslyn Balls as Charge Indicators

Swim all three, charge'd fully
Sink the white, charge still right
Sink the green, charge is lean
Sink the red, charge is dead.

List 75c.

The Chaslyn Company
3845 Ravenswood Ave., Chicago

"Marketing Radio Apparatus"

is the title of an interesting brochure that has been prepared by the publishers of The Radio Trade Directory and Radio Retailing. A copy is available to any radio manufacturer. Address Radio Research Department of

- Morris, Walter C., 168 Rossiter Ave., Yonkers, N. Y.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- No-Kum-Apart—see Mohawk Electric Corp.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Quality Molded Products, Inc., Jersey City, N. J. "Ballgrip" See advertisement, page 85.

POSTS, Insulated Binding—

see Posts, Composition Binding

POSTS, Jack Binding

Globe Phone Mfg. Co., Reading, Mass.

POSTS, Lettered Binding

- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Amsco Products, Inc., 416 Broome St., New York, N. Y.

POSTS, Initialed Binding—

see Posts, Lettered Binding

POSTS,**Lettered Binding
Continued**

- Big Three Radio Corp., 16 Hudson St., New York, N. Y. "Kantluse"
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Dixie Supply Co., 91 Seventh Ave., New York, N. Y.
- ✓Eby Mfg. Co., H. H., Philadelphia, Pa. "Ensign." See advertisement, page 98.
- Ensign—see Eby Mfg. Co.
- Hipco—see Hipwell Mfg. Co.
- Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Kantluse — see Big Three Radio Corp.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Mucher, John J., 109 Lafayette St., New York, N. Y.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"
- Rit-One—see Radio Sales Co.
- Walwart Electric Mfg. Co., 308 Green St., Chicago, Ill.
- Waterbury Button Co., Waterbury, Conn.

POSTS, Metal Binding

- ✓Adams Radio Mfg. Co., 1044 W. Van Buren St., Chicago, Ill. See advertisements, pages 84, 98 and 152.
- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- A. & F. Electrical Mfg. Co., 2256 N. Keeler Ave., Chicago, Ill.
- Ajax — see Philmore Mfg. Co.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Aurora Electric Co., 100 S. Sixth St., Brooklyn, N. Y.
- Barnes Co., Wallace, Bristol, Conn.
- Bestone—see Hyman & Co.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Blake & Johnson Co., 1495 Thomaston Ave., Waterbury, Conn.
- Chapman Machine Co., Terryville, Conn.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- ✓Eby Mfg. Co., H. H., Philadelphia, Pa. See advertisement, page 98.

- Fada—see Andrea, F. A. D.
- Fahnestock Electric Co., 141 East Ave., Long Island City, N. Y.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Grammes & Sons, L. F., 438 Union St., Allentown, Pa.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- H & H—see Hart & Hegeman Mfg. Co.
- Hipco—see Hipwell Mfg. Co.
- Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
- Holmes Electric Mfg. Co., 1810 Leland Ave., Chicago, Ill.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Muzada"
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill. "No-Kum-Apart"
- Morris, Walter C., 168 Ros-siter Ave., Yonkers, N. Y.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Muzada — see Mazda Radio Mfg. Co.

- No-Kum-Apart—see Mohawk Electric Corp.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"
- Rit-One—see Radio Sales Co.
- Snap-On Electric Co., 1456 Rascher Ave., Chicago, Ill.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
- Waterbury Mfg. Co., 236 Grant St., Waterbury, Conn.

POSTS, Multiple**Connection Binding**

- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- ✓Eby Mfg. Co., H. H., Philadelphia, Pa. "Tip Top." See advertisement, page 98.
- Morris, Walter C., 168 Ros-siter Ave., Yonkers, N. Y.
- Tip Top—see Eby Mfg. Co.

POSTS, Rubber**Binding—**

see Posts, Composition Binding

POSTS, Strip Binding—

see Strips, Binding Post

POTENTIOMETER**WINDINGS—**

see Windings, Potentiometer

POTENTIOMETERS,**Battery**

- A-C Electrical Mfg. Co., Dayton, Ohio
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- ✓Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon." See advertisement, page 144.
- Aeolus Corp., 161 Grand St., New York, N. Y.
- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio. "Green Seal"
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis. "Bradleyometer"
- American Specialty Co., 168 Holland Ave., Bridgeport, Conn. "Kelford"
- Amsco Products, Inc., 416 Broome St., New York, N. Y.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Bestone—see Hyman & Co.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Bradleyometer — see Allen-Bradley Co.
- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- Central Radio Laboratories, 301 16th St., Milwaukee, Wis. "Centralab"
- Centralab — see Central Radio Laboratories.
- C-II — see Cutler-Hammer Mfg. Co.
- Cico — see Consolidated Instrument Co. of America.
- Consolidated Instrument Co. of America, 41 E. 42d St., New York, N. Y. "Cico"
- Cutler-Hammer Mfg. Co., Milwaukee, Wis. "C-II"
- Day-Fan—see Dayton Fan & Motor Co.
- Dayton Fan & Motor Co., Dayton, Ohio. "Day-Fan"
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Dymac—see Electrical Products Mfg. Co.
- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.

POTENTIOMETERS,

**Battery
Continued**

- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Erla — see Electrical Research Laboratories.
- E-Z Ometer — see Polymet Mfg. Corp.
- Fada—see Andrea, F. A. D.
- Famous Radio Products, 33 Grand St., New York, N. Y. "FRP"
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Id"
- Framingham Co., 228 Howard St., Framingham, Mass.
- Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
- Frost, Herbert H., 154 W. Lake St., Chicago, Ill.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- General Instrument Corp., 423 Broome St., New York, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Green Seal — see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- H & H—see Hart & Hegeman Mfg. Co.
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
- Hyman & Co., Henry 476 Broadway, New York, N. Y. "Bestone"
- ✓Jones Radio Mfg. Co., Jos. W. 40-46 W. 25th St., New York, N. Y. See advertisement, page 117.
- K. B. Mfg. Co., 222 Eighth St., San Francisco, Cal.
- Kelford—see American Specialty Co.
- Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Klosner Radio Corp., 1022 E. 178th St., New York, N. Y.
- Magnus Electric & Radio Mfg. Corp., 787 E. 133th St., New York, N. Y.
- Mar-Co. — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co." See advertisement, page 69.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Muzada"
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
- M. R. L. — see Montrose Radio Laboratories

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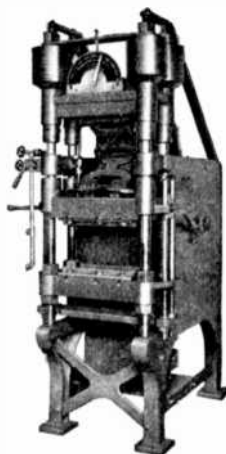
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Each Machine
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all Pumps,
Valves,
Accumulators,
etc.

Eliminates all
Packing
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- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
 - Muzada — see Mazda Radio Mfg. Co.
 - ✓Patent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
 - Paragon—see Adams Morgan Co.
 - Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
 - ✓Polymet Mfg. Corp., 599-601 Broadway, New York, N. Y. "E-Z Ometer." See advertisement, page 109.
 - Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
 - Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio
 - Reliance Die & Stamping Co., 501 N. LaSalle St., Chicago, Ill.
 - Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
 - ✓Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. "Stasco" See advertisement, page 95.
 - Splitdorf - Bethlehem Electrical Co., 392 High St., Newark, N. J.
 - Stasco — see Sheffield Trimming & Stamping Corp.
 - Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
 - ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 112.
 - Tillman Products Co., 137 W. Ninth St., Brooklyn, N. Y.
 - ✓United Scientific Laboratories, Inc., 80 Fourth Ave., New York, N. Y. See advertisement, page 38.
 - Unity Mfg. Co., 224 N. Halsted St., Chicago, Ill.
 - Un-X-Id—see Forman & Co.
 - Wilcox Laboratories, 323 1/2 E. Michigan Ave., Lansing, Mich.
 - Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.
 - Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.
- POWER AMPLIFIERS—**
see Amplifiers, Power
- POWER TRANSFORMERS—**
see Transformers, Power
- POWER UNITS—**
see Rectifiers, Filament Current Supply
also Rectifiers, Filament and Plate Current Supply
also Rectifiers, Plate Current Supply
- PRACTICE BUZZERS—**
see Buzzers, High Frequency
- PRACTISERS, Code—**
see Transmitters, Automatic Code

**PRESSED PAPER
HORNS—**

see Horns, Papier Mache

**PRESSES,
Insulation Molding—**

see Machines, Plastic

PRICK PUNCHES—

see Punches, Center and Prick

**PROTECTIVE
SIGNALS—**

see Signals, Short Circuit

PROTECTORS, Set—

see Arresters, Lightning Indoor

PROTECTORS, Tube—

see Fuses, Tube

PULL SWITCHES—

see Switches, Push-Pull

**PUNCHES,
Center and Prick**

Braunsdorf-Mueller Co., 205 Madison St., Elizabeth, N. J.

✓ Bridgeport Hardware Mfg. Corp., Dept. R., Bridgeport, Conn. "Radio-Lectric." See advertisement, page 57.

Brown & Sharpe Mfg. Co., Promenade St., Providence, R. I.

Buck Bros., Riverlin St., Millbury, Mass.

Buffum Tool Co., Louisiana, Mo.

Cincinnati Tool Co., 1951 Waverly Pl., (Norwood) Cincinnati, Ohio, "Hargrave"

Cronk & Carrier Mfg. Co., Montour Falls, N. Y.

Deuse, J. S., Chester, Conn. Easy Hold — see Millers Falls Co.

Goodell-Pratt Co. Wells St., Greenfield, Mass.

Hargrave — see Cincinnati Tool Co.

Kraeuter & Co., 583 18th Ave., Newark, N. Y.

Millers Falls Co., Millers Falls, Mass. "O. K." "Easy Hold"

O. K. — see Millers Falls Co.

Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"

Pexto — see Peck, Stow & Wilcox Co.

Radio-Lectric — see Bridgeport Hardware Mfg. Corp.

SharpenEzy — see Smith & Co.

**PUSH-PULL
SWITCHES—**

see Switches, Push-Pull

**PUSH-PULL
TRANSFORMERS—**

see Transformers, Push Pull

PYRITE CRYSTALS—

see Crystals

**QUARTZ
INSULATION,
Synthetic—**

see Insulation, Synthetic Quartz

RADIO CABINETS—

see Cabinets, Fabric also Cabinets, Glass also Cabinets, Knockdown also Cabinets, Wood

RADIO DESKS—

see Desks, Radio also Tables, Radio

**RADIO FREQUENCY
AMPLIFIERS—**

see Amplifiers, Radio

**RADIO FREQUENCY
CHOKE COILS—**

see Coils, Radio Frequency Choke

**RADIO FREQUENCY
TRANSFORMERS—**

see Transformers, Radio Frequency

**RADIO
FREQUENCY
TRANSFORMERS—**

see Transformers, Tuned Radio Frequency

RADIO TABLES—

see Tables, Radio

RASPS—

see Files and Rasps

**REACTIVATORS,
Tube**

Barlow, Leslie C., 268 Spring St., Newport, R. I.

Brown Co., Thomas, 511 Orange St., Newark, N. J.

Grand Ave. Radio Co., 2218½ S. Grand Ave., Los Angeles, Cal.

Hemco — see Richards & Co.

Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill.

Jefferson Electric Mfg. Co., 501 S. Green St., Chicago, Ill.

Kierulff & Ravenscroft, 1630 S. Los Angeles St., Los Angeles, Cal.

Maxwell Radio Co., 39 Washington St., Steubenville, Ohio

O'Connor & Co. A., 9704 Euclid Ave., Cleveland, Ohio

Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio

Remo Corp., Meriden, Conn. ✓ Rhamatine, J. Thos., 508 E. Woodbridge St., Detroit, Mich. See advertisement, page 103.

✓ Richards & Co., George, 557 Monroe St., Chicago, Ill.

"Hemco" Cataloged Opposite Inside Front Cover.

Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio

Thomas, Haydn A., 4034 Lexington St., Chicago, Ill.

REACTORS, Filter

Radio Corp. of America, 2313 Broadway, New York, N. Y.

REACTORS, Plate

Radio Corp. of America, 233 Broadway, New York, N. Y.

REAMERS, Bushing—

see Reamers, Dial

REAMERS, Dial

✓ Stevens & Co., 375 Broadway, New York, N. Y. Cataloged on page 186.

REAMERS, Taper

✓ Stevens & Co., 375 Broadway, New York, N. Y. "Utility." Cataloged on page 186.

Utility — see Stevens & Co.

REBUILT TUBES—

see Tubes, Vacuum, Repairers of

RECEIVER CORDS—

see Cords, Telephone

**RECEIVERS, Loud
Speaking—**

see Horns also Speakers, Loud also Units, Loud Speaker

**RECEPTACLES,
Jack—**

see Jacks, Wall Receptacle

**RECEPTACLES,
Vacuum Tube—**

see Sockets, Vacuum Tube

RECTIFIER TUBES—

see Tubes, Rectifier

RECTIFIERS, Bulb

Acme Electric & Mfg. Co., 1441 Hamilton Ave., Cleveland, Ohio. "Directo"



Quick Profits

The Rhamstine "B" RECTIFIER is the fastest selling, quickest profit-making source of B-power on the market today.

Operates on 110 volts, 60 cycles A.C. Detector voltage 0 to 50; amplifier 0 to 110. Has no hum; no distortion; no acid and cannot burn out tubes. Operates on any 1 to 8 tube set. Retails for only \$25, without tube.

Write for dealer proposition today.

J. Thos. Rhamstine
508 E. Woodbridge St., Detroit, Mich.



EAGLE CHARGERS "2 AB" & "6 AB"

Charges A & B battery without disconnecting from your set.—While listening in.

Charges 130 Volt B Battery in series
Cannot Burn Out Radio Tubes

Type 16b. charges 16 batteries at one time.

High grade Bulb type chargers for every purse from \$18.00 up.

Handled by *Leading Jobbers*

EAGLE CHARGER CORP. 121 N. Eighth St., PHILADELPHIA, PA.

RECTIFIERS, Bulb Continued

Acme Engineering Co., Louisville, Ky.
Acton—see Alton Corp.
Alton Corp., Ellicott Sq., Buffalo, N. Y. "Acton"
Argon—see Holmes Electrical Mfg. Co.
Austin-Brandmeyer Corp., 158 Grand St., New York, N. Y. (Sole Distributors for Heyer Products Co., Montclair, N. J.) "Everymans"
Burton-Rogers Co., 26 Brighton Ave., Boston, Mass. See advertisement, page 9.
Chargall—see Gold Seal Electric Co.
Crescent—see Kodol Radio Corp.
Debco—see Detroit Battery Charger Co.
Debco, Jr.—see Detroit Battery Charger Co.
Detroit Battery Charger Co., (Division of Premier Mfg. Co.), 3683 Willis Ave., E., Detroit, Mich. "Debco"
"Debco, Jr."
Directo—see Acme Electric & Mfg. Co.
Dynamik—see Wilson Electrical Laboratories
Eagle Charger Corp., 121 N. Eighth St., Philadelphia, Pa. "Leader" "Pioneer" See advertisement, page 103.
Electron, Jr.—see King Electric Mfg. Co.
Everymans—see Austin-Brandmeyer Corp.
Farad Corp., 239 Centre St., New York, N. Y.

Forest Electric Co., New & Wilsey Sts., Newark, N. J. "Unitron"
General Electric Co., 1 River Rd., Schenectady, N. Y. "Tungar"
Gold Seal Electric Co., 2110 Woodland Ave., Cleveland, Ohio "Chargall"
Heyer Products Co.—see Austin-Brandmeyer Corp.
Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill. "Argon"
Kalb Electric & Mfg. Co., 7323 Manchester Ave., St. Louis, Mo.
King Electric Mfg. Co., 1681 Fillmore Ave., Buffalo, N. Y. "Electron, Jr."
Kodol Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Crescent"
Leader—see Eagle Charger Corp.
Pioneer—see Eagle Charger Corp.
Service Battery Co., 704 E. 102d St., Cleveland, Ohio
Silver Beauty—see Triple-A Specialty Co.
Standard Transformer Co., Dana Ave., Warren, Ohio
Todd Electric Co., 36 W. 20th St., New York, N. Y.
Triple-A Specialty Co., 628 W. Jackson Blvd., Chicago, Ill. "Silver Beauty"
Tungar—see General Electric Co.
Unitron—see Forest Electric Co.
Vita Electric Co., Cleveland, Ohio
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

Wilson Electrical Laboratories, 1416 Morse Ave., Chicago, Ill. "Dynamik"

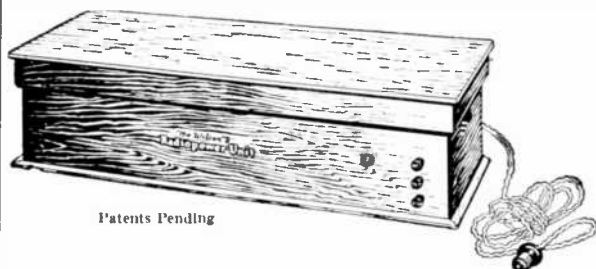
RECTIFIERS, Chemical—

see Rectifiers, Electrolytic

RECTIFIERS, Electrolytic or Chemical

American Battery Co., 2053 N. Racine Ave., Chicago, Ill. "Big American"
Balkite—see Fansteel Products Co.
Big American—see American Battery Co.
Cleveland Engineering Laboratories Co., 2104 Superior Viaduct N. W., Cleveland, Ohio "Storad"
Cole Battery Sales Corp., 2435 Indiana Ave., Chicago, Ill.
D. A. Radio Co., 30 Hollister St., Buffalo, N. Y.
Durkee-Thomas Products Co., 1228 Folsom St., San Francisco, Cal. "Duthold" "Ductron"
Ductron—see Durkee-Thomas Products Co.
Duthold—see Durkee-Thomas Products Co.
Eaco—see Economic Appliance Co.
Economic Appliance Co., Irwin, Pa. "Eaco."
Fansteel Products Co., North Chicago, Ill. "Balkite"
Farad Corp., 239 Centre St., New York, N. Y.

The Wilson "B" Radiopower Unit



Patents Pending

A dependable, economical and convenient plate current supply. *Absolutely no hum during operation.*

This unit consists of a dry storage battery, together with a trickle charger attachment, built into a handsomely finished walnut case. Requires no attention from operator after installation. There is no acid to spill and there are no moving parts to get out of order. It incorporates all the good points of wet "B" batteries with none of their disadvantages. It is the most convenient and economical unit for supplying plate current. In genuine walnut case. List price \$35.

Radio Units Inc.

1316 First Ave., Maywood, Ill.
Perkins Electric, Ltd., Montreal, Toronto, Winnipeg

RECTIFIERS, Filament and Plate Current Supply

For use in place of both A and B Batteries on receiving sets and taking current from house lighting circuits

- Cooper Corp., Cincinnati, Ohio
- Durus Corp., 47 Ninth Ave., New York, N. Y.
- Duschnes, Gustave S., 76 W. 47th St., New York, N. Y.
- Lester's Radio Shoppe, 140 S. Spring St., Los Angeles, Cal.
- Mu-Rad Laboratories, 800 Fifth Ave., Asbury Park, N. J. "Recto-Filter"
- Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa. "Philco"
- Philco — see Philadelphia Storage Battery Co.
- Rader Appliance Co., 4912 Hudson Blvd., West New York, N. J. "Run-A-Radio"
- Radiogem Corp., 66 West Broadway, New York, N. Y.
- Recto-Filter — see Mu-Rad Laboratories
- Run-A-Radio — see Rader Appliance Co.
- Schaeffer Mfg. Co., 226 E. 41st St., Portland, Ore.
- U-Flex Mfg. Co., 1 S. 39th St., (West Phila.) Philadelphia, Pa.

RECTIFIERS, Electrolytic or Chemical Continued

- General Lead Batteries Co., Chapel St. & Lister Ave., Newark, N. J. "Titan"
- Gould Storage Battery Co., 250 Park Ave., New York, N. Y.
- Hawley — see Smith, B. W.
- Helios Battery Co., 71 Chestnut St., Boston, Mass. "Joyce Bros." See advertisement, page 16.
- Joyce Bros. — see Helios Battery Co.
- Kic-o — see Kimley Electric Co.
- Kimley Electric Co., 2665 Main St., Buffalo, N. Y. "Kic-o"
- Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa. "Philco"
- Philco — see Philadelphia Storage Battery Co.
- Rabat — see Radio Rabat Co.
- Radio Rabat Co., 1758 St. Clair Ave., Cleveland, Ohio "Rabat"
- Smith, B. W., 31 Washington Ave., Danbury, Conn. "Hawley"
- Storad — see Cleveland Engineering Laboratories Co.
- Thor — see Thornton & Everest
- Thornton & Everest, 1216 S. Olive St., Los Angeles, Cal. "Thor"
- Titan — see General Lead Batteries Co.
- Vesta Battery Corp., 2100 Indiana Ave., Chicago, Ill. See advertisement, page 5.

- Western Battery & Supply Co., 12th & Lincoln Sts., Denver, Colo. "Westric"
- Westric — see Western Battery & Supply Co.
- Willard Storage Battery Co., 246 E. 131th St., Cleveland, Ohio

RECTIFIERS, Filament Current Supply

For use in place of A Batteries on receiving sets and taking current from house lighting circuits.

- Black Bros., Black Bldg., Los Angeles, Cal. "Blax"
- Blax — see Black Bros.
- Corona — see Perfect Coll Co.
- Duschnes, Gustave S., 76 W. 47th St., New York, N. Y.
- Lasco — see Los Angeles Sales Co.
- Los Angeles Sales Co., 1211 W. Sixth St., Los Angeles, Cal. "Lasco"
- Ornate Co., 110 W. 34th St., New York, N. Y.
- Perfect Coll Co., 2208 S. San Pedro St., Los Angeles, Cal. "Corona"
- Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa. "Philco"
- Philco — see Philadelphia Storage Battery Co.
- San Pedro Radio Laboratory, 1139 Santa Cruz St., San Pedro, Cal. "Saperal"
- Saperal — see San Pedro Radio Laboratory

RECTIFIERS, Knockdown Plate Current Supply

- Apco Mfg. Co., Virginia Ave., Providence, R. I. See advertisement, page 25
- Jacobs, C. E., 2802 N. Kedzie Ave., Chicago, Ill. "Molliformer"
- Mayolian Radio Corp., 1991 Broadway, New York, N. Y. Molliformer — see Jacobs, C. E.
- Radio Products, Inc., Dept. T. R., Richmond, Ind. Cataloged on page 58.
- Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio
- Timmons Radio Products Corp., 339 E. Tulpehocken St., (Germantown), Philadelphia, Pa.

RECTIFIERS, Mechanical — see Rectifiers, Vibrator

RECTIFIERS, Motor Generator

- Benwood-Linze Co., 1129 Olive St., St. Louis, Mo.
- Hobart Bros. Co., Canal Locks Sq., Troy Ohio
- Ohio Electric & Controller Co., 5900 Maurice Ave., Cleveland, Ohio
- Price-Rochester Corp., 640 Driving Park Ave., Rochester, N. Y.
- Radio Corp. of America, 233 Broadway, New York, N. Y.

RECTIFIERS, Plate

Current Supply

For use in place of B Batteries on receiving sets and taking current from house lighting circuits.

- A B C—see Valley Electric Co.
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- Acme Engineering Co., Louisville, Ky. "Powr-Bee"
- Acorn Radio Mfg. Co., 307 W. Lake St., Chicago, Ill.
- Aero B—see Martin Co.
- Amaco—see American Apparatus Co.
- American Apparatus Co., 30 N. 19th St., Richmond, Ind. "Amaco"
- American Bosch Magneto Corp., Springfield, Mass. "Nobattry"
- ✓Apco Mfg. Co., (Radio Division), Providence, R. I. "Rectodyne" See advertisement, page 105.
- Audiola Radio Co., 430 S. Green St., Chicago, Ill.
- Balkite—see Fansteel Products Co.
- Cooper Corp., Cincinnati, Ohio
- Dis-Ton—see Radio Products, Inc.
- ✓Dubilier Condenser & Radio Corp., Bronx Blvd. & 238th St., New York, N. Y. "Super-Ducon" See advertisement, page 37.
- Durus Corp., 47 Ninth Ave., New York, N. Y.
- Epom Corp., 114 E. 47th St., New York, N. Y.
- Fansteel Products Co., North Chicago, Ill. "Balkite"
- Farad Corp., 239 Centre St., New York, N. Y.
- ✓Ford Radio & Mica Corp., 33 E. Eighth St., New York, N. Y. See advertisement, page 158.
- Fordec—see Foreign & Domestic Commodities, Inc.
- Fore Electrical Mfg. Co., 5255 N. Market St., St. Louis, Mo.
- Foreign & Domestic Commodities, Inc., 121 N. Eighth St., Philadelphia, Pa. "Fordec"
- Freshman Co., Chas., 240 W. 40th St., New York, N. Y.
- Gardner Electric Mfg. Co., 4427 Hollis St., Emeryville, Cal.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. "Trans-B-former." See Inside Back Cover.
- Lane Mfg. Co., 2941 W. Lake St., Chicago, Ill.
- Lester's Radio Shoppe, 140 S. Spring St., Los Angeles, Cal.
- L & M Supply Co., 285 Huntington Ave., Boston, Mass.
- MacFadden & Co., 2202 Arch St., Philadelphia, Pa.
- Magnus Electric & Radio Mfg. Corp., 787 E. 13th St., New York, N. Y. "No-Bee"
- ✓Martin Co., Glenn L., (Radio Division), Cleveland, Ohio "Aero B" See advertisement, page 107.

APCO

Radio Equipment

APCO Radio products are nationally advertised and made by an established Company whose successful record as an automotive accessory manufacturer guarantees their workmanship. Stock APCO and you'll sell APCO.

"A" Battery Charger No. 47



Handsome nickel case. Charges in six hours at 'ew cents' cost. Complete with clips, plug, wire, etc. List, \$18.50.

"B" Eliminator



For those who prefer to build their own "B" Battery Eliminators. Contains parts used in APCO Rectodyne. List, \$30.00.

"A" Battery Charger No. 79



A modification of No 77, with a reduced capacity output of two amperes, instead of five—but of genuine APCO quality. List \$12.50.

Radio Switch, No. 55



Of the toggle arm type positive in action, neat in appearance. Brass heavily nickleed and polished. List, \$35.

Audio Transformer, No. 53



Completely shielded for mounting close together in any ratio from two-to-one to ten-to-one. With top or side terminals. List, \$4.50.

Rectodyne No. 66



Gives "B" Battery current from the lamp socket. A complete unit in handsome mahogany case. List \$11.00. D. C. Type. \$32.50.

"B" Battery Charger No. 89



A self-polarizing, positive mechanical charger using light bulb resistance. To meet demand for a low priced "B" Battery Charger. Charges 100 volts in 8 to 10 hours. List, \$1.00.

APCO Vernier Dial



Made of brass with beautifully engraved figures. Extremely efficient, easily installed and sold at a reasonable price. List, \$1.00.

Resistor, No. 59



From 10 to 10,000,000 ohms. For all purposes a n d circuits. Packed five in a carton. List, \$.50.

Battery Clip, No. 67



Overcomes effect of sulphation of the battery terminals, making a permanent contact. Will fit any battery post and built for many years' service. List, \$.10.

Send for complete catalog.

APCO MANUFACTURING CO.

Radio Division

Providence, Rhode Island

Use
ARBEE
Resistances and
Grid Leaks



Guaranteed, noiseless, accurate. No variations. Elements are melted into the glass. No paper, no carbon, no conducting varnish or other deteriorating elements.

Write for Literature

Arbee Mfg. Co.

68 Springfield Ave.
Newark, N. J.

**RECTIFIERS, Plate
Current Supply
Continued**

- Mayolan Radio Corp., 1991 Broadway, New York, N. Y.
Mbhawk Electric Mfg. Co., 17 Kirk Alley, Newark, N. J.
Morrison, Clarence C., 2 Stone St., New York, N. Y.
Mu-Rad Laboratories, Inc., 800 Fifth Ave., Asbury Park, N. J.
No battery — see American Bosch Magneto Corp.
No-Bee — see Magnus Electric & Radio Mfg. Corp.
✓Paramount Radio Corp., 1482 Broadway, New York, N. Y. See advertisement, page 8.
Philadelphia Storage Battery Co., Ontario & C Sts., Philadelphia, Pa. "Philco"
Philco — see Philadelphia Storage Battery Co.
Pour Pakt — see Schickerling Products Corp.
Powr-Bee — see Acme Engineering Co.
Precision Electric Mfg. Corp., 1739 W. Vernon Ave., Los Angeles, Cal.
Radio Power Utility Co., 1270 Broadway, New York, N. Y.
✓Radio Products, Inc., Dept. T R, Richmond, Ind. "Diston" Cataloged on page 58.
Radio Receptor Co., 106 Seventh Ave., New York, N. Y. "Rectrad"
Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio
Rectodyne — see Apco Mfg. Co.
Rectrad — see Radio Receptor Co.
Rectron — see Roentgen Mfg. Co.
Reflex Spark Plug Co., Cleveland, Ohio
✓Rhamstine, J. Thos., 508 E. Woodbridge St., Detroit, Mich. See advertisement, page 103.
Roentgen Mfg. Co., 209 Tehama St., San Francisco, Cal. "Rectron"
San Pedro Radio Laboratory, 1139 Santa Cruz St., San Pedro, Cal. "Saperal"
Saperal — see San Pedro Radio Laboratory
Schickerling Products Corp., 313 Halsey St., Newark, N. J. "Pour Pakt"
Super-Ducon — see Dubiller Condenser & Radio Corp.

- Timmons Radio Products Corp., 339 E. Tulpehocken St. (Germantown) Philadelphia, Pa.
Trans-B-former — see Kellogg Switchboard & Supply Co.
U-Flex Mfg. Co., 1 S. 39th St., (West Phila.) Philadelphia, Pa.
Valley Electric Co., 3157 S. Kingshighway, St. Louis, Mo. "A B C"
Vary & Co., 171 Washington St., New York, N. Y.
Waage, A. H., 6 Reade St., New York, N. Y.

**RECTIFIERS, Vibrator
or Mechanical**

- ABC — see Valley Electric Co.
Advance Electric Co., 1260 W. Second St., Los Angeles, Cal.
✓Apco Mfg. Co. (Radio Division), Providence, R. I. See advertisement, page 105.
F-F — see France Mfg. Co.
Fore Electrical Mfg. Co., 5255 N. Market St., St. Louis, Mo.
France Mfg. Co., 10321 Berea Rd., Cleveland, Ohio "F-F"
Ful-Wave — see Liberty Electric Corp. of N. Y.
Gold Seal Homcharger — see Kodol Radio Corp.
Handy — see Interstate Electric Co.
Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill.
Interstate Electric Co., 4339 Duncan Ave., St. Louis, Mo. "Handy" "Simplex" "Ultra"
Kodol Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Gold Seal Homcharger" "Star"
Leich Electric Co., Genoa, Ill.
Liberty Electric Corp. of N. Y., 342 Madison Ave., New York, N. Y. "Ful-Wave"
Simplex — see Interstate Electric Co.
Star — see Kodol Radio Corp.
Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio

Ultra — see Interstate Electric Co.
Valley Electric Co., 3157 S. Kingshighway, St. Louis, Mo. "ABC"
Vibrator Motor Co., Everett, Wash.

REDUCERS, Static

- H. & F. Radio Laboratories, 168 Washington St., New York, N. Y.
Hill Radio Co., 100 Summer St., Boston, Mass.
Imperial Laboratories, Cola Cola Bldg., Kansas City, Mo.
Static Eliminator Co., United Bank Bldg., Cincinnati, Ohio

**REJUVENATORS,
Tube—**

see Reactivators, Tube

RELAYS, Cut-in

- Relay to automatically cut in and out the receiver when transmitting.
Leach Relay Co., 507 Mission St., San Francisco, Cal.

REPAIRED TUBES—

see Tubes, Vacuum, Repairers of

REPRODUCERS—

see Speakers, Loud

**RESISTANCE
ADAPTERS—**

see Adapters, Resistance

**RESISTANCE
HOLDERS—**

see Holders, Grid Leak

**RESISTANCE
LEAKS—**

see Grid-Leaks

**RESISTANCE MOUNT-
INGS—**

see Holders, Grid Leak

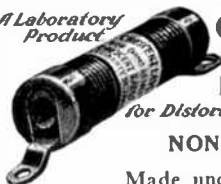


A perfected "B" Battery Eliminator that works on any set.
No hum no distortion and needs to be adjusted to the set but once.
Fully guaranteed to work on your set.

THE
GLENN L. MARTIN
COMPANY
Radio Division
CLEVELAND



A Laboratory Product
**CRESCENT
LAVITE
RESISTANCES**
for Distortionless Amplification



NON-INDUCTIVE

Made under laboratory conditions for exacting Radio use. Endorsed by leading Radio Experts.

STOCK SIZES:

12,000 ohms	} LIST AT
48,000 ohms	
50,000 ohms	
100,000 ohms	

\$1.50

Write for quantity prices.
Special resistances to order.

Tubing, Panels, Sub-Bases.
Bakelite, Radion, Hard Rubber.

Lowest prices quoted. Panels cut to size, drilled and engraved per your specifications. Write for details.

Satisfactory personal service.

Crescent Radio Supply Co.
Established 1905
7 Liberty St., Jamaica, N. Y.

RESISTANCE PAPER—

see Paper, Resistance

RESISTANCE WIRE—
see Wire, Resistance

RESISTANCES, Audio Transforming—

see Resistors, Audio Frequency

RESISTANCES, Fixed

- ✓Apco Mfg. Co., (Radio Division) Providence, R. I. See advertisement, page 105.
- ✓Crescent Radio Supply Co., 7 Liberty St., Jamaica, N. Y. "Lavite" Cataloged on page 107.
- ✓Danziger-Jones, Inc., Dept. D., 25 Waverly Pl., New York, N. Y. "Telohm." See advertisement, page 118.
- Eastern Coil Corp., 22 Warren St., New York, N. Y.
- Lavite—see Crescent Radio Supply Co.
- Master Radio Instrument Co., 153 Wright St., Newark, N. J. "Masto"
- Masto—see Master Radio Instrument Co.

- ✓Pacent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisement, pages 97 and 157.
- Royalty—see Wireless Products Corp.
- Standard Radio Corp., 61 Jackson St., Worcester, Mass.
- Star Fuse Co., 168 Centre St., New York, N. Y.
- Telohm—see Danziger-Jones, Inc.
- Veby Radio Co., 141 Washington St., Newark, N. J.
- ✓Wireless Products Corp., 362 Broadway, New York, N.Y. "Royalty" See advertisement, page 108.

RESISTANCES, Rheostat Adapting

- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- C-H—see Cutler-Hammer Mfg. Co.
- Cutler-Hammer Mfg. Co., Milwaukee, Wis. "C-H"
- ✓Muter Co., Leslie F., 76th & Greenwood Ave., Chicago, Ill. See advertisement, page 59.
- Unity Mfg. Co., 224 N. Halsted St., Chicago, Ill.
- Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

RESISTORS, Audio Frequency

- ✓Acrovox Wireless Corp., 489-93 Broome St., New York, N. Y. "Resistofomers." See advertisement, page 38.
- Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis. "Bradleyunit"
- ✓Arbee Mfg. Co., 68 Springfield Ave., Newark, N. J. See advertisement, page 106.
- Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
- Bradleyunit—see Allen-Bradley Co.
- Cole Radio Mfg. Corp., 535 Bloomfield Ave., Bloomfield, N. J. "Meggit"
- ✓Crescent Radio Supply Co., 7 Liberty St., Jamaica, N. Y. Cataloged on page 107.
- Daven Radio Corp., 158 Summit St., Newark, N. J.
- ✓Durham & Co., 1936 Market St., Philadelphia, Pa. Cataloged on page 84.
- Haddaway, Inc., 1806 S. Hoover St., Los Angeles, Cal.
- Heath Radio & Electric Mfg. Co., 207 First St., Newark, N. J. "Radiant Resistor-Former"
- Meggit—see Cole Radio Mfg. Corp.
- ✓Polymet Mfg. Corp., 599-601 Broadway, New York, N. Y. See advertisement, page 109.
- Prague Radio Co., 40 St. Clair Pt., New York, N. Y.



\$150

**VARIABLE
GRID LEAKS**

Patents Pending

\$150

**VARIABLE
HIGH RESISTANCES**

Patents Pending

ROYALTY Variable Grid Leaks are revolutionary! They are *wire wound*. The resistance is positive and always the same for the same dial setting. They are noiseless in operation. (Type A, 100,000 to 7,000,000 ohms).

ROYALTY Variable High Resistances are identical in construction with the Royalty Variable Grid Leaks. They, too, are positive in action, noiseless and wear-proof. (Type B, 1,500 to 100,000 ohms; type C, 500 to 50,000 ohms). These resistances may also be had in special ranges at a slight additional cost.

We also make the Gem Guaranteed Fixed Grid Leaks, the Royalty Fixed Grid Leaks, and the Gem Broad and Narrow Lead-ins.

WIRELESS PRODUCTS CORPORATION
362 Broadway, New York City

Ajax Electric Specialty Co.,
1926 Chestnut St.,
St. Louis, Mo.

Allen-Bradley Co., 286 Green-
field Ave., Milwaukee, Wis.
"Bradleystat"

Amaco — see American Ap-
paratus Co.

American Apparatus Co., 30
N. 19th St., Richmond, Ind.
"Amaco"

American Mechanical Labora-
tories, 285 N. Sixth St.,
Brooklyn, N. Y. "Claro-
stat"

American Specialty Co., 168
Holland Ave., Bridgeport,
Conn. "Kelford"

Amperite—see Radiall Co.

Amso Products, Inc., 416
Broome St., New York,
N. Y.

Andrea, F. A. D., 1581
Jerome Ave., New York,
N. Y. "Fada"

Basco—see Briggs & Strat-
ton Co.

Beacon Radio Mfg. Co., 100
S. Third St., Brooklyn,
N. Y.

Bestone—see Hyman & Co.

Bisby Mfg. Co., 59 Warren
St., New York, N. Y.

Bradleystat—see Allen-Brad-
ley Co.

Breco — see Bronx Radio
Equipment Co.

Briggs & Stratton Co., Mil-
waukee, Wis. "Basco"

Bronx Radio Equipment Co.,
687 Courtlandt Ave., New
York, N. Y. "Breco"

Erno Radio Corp., 221 Ful-
ton St., New York, N. Y.

✓Carter Radio Co., 1815 Re-
public Bldg., Chicago, Ill.
See advertisement, page 81.

Central Radio Laboratories,
301 16th St., Milwaukee,
Wis. "Centralab"

Centralab — see Central
Radio Laboratories

C-H — see Cutler-Hammer
Mfg. Co.

Chelsea Radio Co., 150 Fifth
St., Chelsea, Mass.

✓Chelton Electric Co., Phila-
delphia, Pa. See advertise-
ment, page 43.

Cico—see Consolidated In-
strument Co. of America.

Clarostat — see American
Mechanical Laboratories.

Consolidated Instrument Co.
of America, 41 E. 42d St.,
New York, N. Y. "Cico"

Cutler-Hammer Mfg. Co.,
Milwaukee, Wis. "C-H"

D. A. Radio Co., 30 Hollister
St., Buffalo, N. Y. "Soco-
stat."

Day-Fan—see Dayton Fan &
Motor Co.

Dayton Fan & Motor Co.,
Dayton, Ohio. "Day-Fan"

D. & B. Radio Service, 419
Riopelle St., Detroit, Mich.

De Forest Radio Co., Central
Ave. & Franklin St., Jersey
City, N. J.

De Jur Products Co., 199
Lafayette St., New York,
N. Y.

RESISTORS, Audio Frequency Continued

Radiant Resisto-Former—see
Heath Radio & Electric
Mfg. Co.

Resist-O-Former—see Spar-
tan Electric Corp.

Resistofomers—see Aerovox
Wireless Corp.

✓Spartan Electric Corp., 99
Chambers St., New York,
N. Y. "Resist-O-Former."
See advertisement, page
144.

Veby Radio Co., 141 Wash-
ington St., Newark, N. J.

RESISTORS—

see Grid-Leaks
also Resistances, Fixed
also Resistors, Audio Fre-
quency

RESONATORS, Reproducing—

see Horns
also Speakers, Loud

REVIVORS, Tube—

see Reactivators, Tube

RHEOSTAT ADAPTING RESISTANCES—

see Resistances, Rheostat
Adapting

RHEOSTAT DIALS—

see Dials

RHEOSTAT WINDINGS—

see Windings, Potentiom-
eter and Rheostat

RHEOSTAT WIRE—

see Wire, Resistance

RHEOSTATS, Battery

A-C Electrical Mfg. Co., Day-
ton, Ohio

Acme Apparatus Co., 37 Os-
born St., Cambridge, Mass.

✓Adams Morgan Co., 4 Alvin
Ave., Upper Montclair,
N. J. "Paragon." See ad-
vertisement, page 144.

Aeolus Corp., 161 Grand St.,
New York, N. Y.

✓Aerovox Wireless Corp., 480-
93 Broome St., New York,
N. Y. See advertisement,
page 38.

Air-Way Electric Appliance
Corp., 618 Broadway, To-
ledo, Ohio. "Green Seal"

Ajax—see Philmore Mfg. Co.

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

— without charge, of course.

THE RADIO
TRADE DIRECTORY

Standard Equipment on Better Grade Sets E-Z STAT RHEOSTAT



Over 600,000 used by manufacturers of Radio Sets in past six (6) months. Construction designed to help manufacturer speed up production and improve quality.

The FAMOUS "POLY PLUG"

The leader in the field. Over 1,000,000 used. Positive permanent contact. AUTOMATIC—eliminating use of screw driver. Nothing to get out of order. Polarity marked.



Extension Cord Connectors

Fixed Condensers Tubular Grid Leaks

Resistance Coupled Amplification Kits

YOUR JOBBER HAS THEM

Polymet Manufacturing Corp.

570-601 Broadway, New York, N. Y.

RHEOSTATS, Battery Continued

Doran & Sons, James C., 150 Chestnut St., Providence, R. I.

Duostat—see Premier Electric Co.

D-X Instrument Co., Harrisburg, Pa. "Fil-Ko-Stat"

Dymac—see Electrical Products Mfg. Co.

Electrical Engineers Equipment Co. (Radio Division), 708 W. Madison St., Chicago, Ill.

Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"

Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"

Erla — see Electrical Research Laboratories

Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "Poly - stat" "Poly - pot - stats"

E-Z Stat—see Polymet Mfg. Corp.

Fada—see Andrea, F. A. D. Famous Radio Products, 33 Grand St., New York, N. Y. "FRP"

Federal Telephone Mfg. Corp., Buffalo, N. Y.

F-F—see France Mfg. Co.

Fil-Ko-Stat — see D-X Instrument Co.

Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.

Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio

Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"

Framingham Co., 228 Howard St., Framingham, Mass. France Mfg. Co., 10321 Berea Rd., Cleveland, Ohio. "F-F"

Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.

Frost, Herbert II., 314 W. Superior St., Chicago, Ill.

FRP — see Famous Radio Products

General Instrument Corp., 423 Broome St., New York, N. Y.

General Radio Co., 11 Windsor St., Cambridge, Mass.

Geyer Co., Bank & Valley Sts., Willimantic, Conn. "Windham"

Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.

Green Seal — see Air-Way Electric Appliance Co.

Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"

Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio

Haydon & Haydon, 73 Warren St., New York, N. Y. "Velvetuch"

H. & H.—see Hart & Hegeman Mfg. Co.

Hipco—see Hipwell Mfg. Co. Hipwell Mfg. Co., 825 North Ave., N. S. Pittsburgh, Pa. "Hipco"

Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.

Howard Radio Co., 461 E. Ohio St., Chicago, Ill.

Ilyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"

Inter-State Radio Co., 98 Park Pl., New York, N. Y.

✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York. See advertisement, page 147.

K. B. Mfg. Co., 222 Eighth St., San Francisco, Cal.

Kelford—see American Specialty Co.

✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.

King Quality Products, Inc., Rano St., Buffalo, N. Y.

Klosner Radio Corp., 1022 E. 178th St., New York, N. Y.

Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Quality"

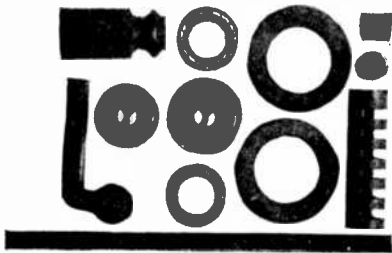
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Mar-Co—see Martin-Copeland Co.

Marshall Electric Co., 3225 Locust Blvd., St. Louis, Mo. "Marshall-stat"

Marshall-stat — see Marshall Electric Co.

AETNALITE



A SUPERIOR hard rubber compound that meets all the requirements of the Rubber Association of America for Radio insulation.

Made especially to supply the need of Radio Manufacturers for reliable, moderate-priced insulation.

Send specifications for prices.

The Aetna Rubber Company
811 E. 79th Street, Cleveland, O.

for Manufacturers

The readers of "Radio Retailing," the business magazine of the radio industry, published by the McGraw-Hill Company, constitute an audience that deserves the consideration of every radio manufacturer.

Jobbers and dealers of radio equipment in each of the various trades that sell radio products look to the pages of "Radio Retailing" for practical sales helps. They are in an unusually receptive frame of mind to read about your own products in the advertising columns of "Radio Retailing."

Radio Retailing

RHEOSTATS, Battery Continued

- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co." See advertisement, page 69.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Muzada"
- ✓Metro Electric Mfg. Co., 121 Prince St., New York, N. Y. See advertisement, page 83.
- Microstat—see Premier Electric Co.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
- Morris, Walter C., 168 Rosister Ave., Yonkers, N. Y.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- M. R. L.—see Montrose Radio Laboratories
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- Muzada—see Mazda Radio Mfg. Co.
- National Electric Co., 165 Broadway, New York, N. Y.
- ✓Pacent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
- Paragon—see Adams Morgan Co.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Paterson Radio Co., 213 Market St., Paterson, N. J.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"

- Pilot Electric Mfg. Co., 323 Berry St., Brooklyn, N. Y.
- ✓Polymet Mfg. Corp., 599-601 Broadway, New York, N. Y. "E-Z Stat." See advertisement, page 109.
- Poly-pot-stats—see Everett Radio Co.
- Poly-stat—see Everett Radio Co.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Microstat" "Duo-stat"
- Quality—see Kodel Radio Corp.
- ✓Radiall Co., Dept. R T D I, 50-52 Franklin St., New York, N. Y. "Amperite" See advertisements, pages 68 and 99.
- Radio Corp. of America, 233 Broadway, New York, N. Y.
- Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- Reco Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- Reliance Die & Stamping Co., 501 N. LaSalle St., Chicago, Ill.
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- Schiff Laboratories, 283 Glenwood Ave., Bloomfield, N. J.
- Seiss Mfg. Co., Phillips Ave., & N. Y. C. R.R., Toledo, Ohio
- ✓Sheffield Trimming & Stamping Corp., 211 Centre St., New York, N. Y. "Stasco" See advertisement, page 95.

- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Socostat—see D. A. Radio Co.
- Spiltdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Standard Radio Co., Hoboken, N. J.
- Stasco—see Sheffield Trimming & Stamping Corp.
- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
- ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
- ✓United Scientific Laboratories, Inc., 80 Fourth Ave., New York, N. Y. See advertisement, page 38.
- Unity Mfg. Co., 224 N. Halstead St., Chicago, Ill.
- Un-X-Ld—see Forman & Co.
- Velvetuch—see Haydon & Haydon.
- White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
- Wilcox Laboratories 323½ E. Michigan Ave., Lansing, Mich.
- Windham—see Geyer Co.
- "X" Laboratories, 25 W. 45th St., New York, N. Y.
- Yaxley Mfg. Co., 217 N. Desplains St., Chicago, Ill.

RHEOSTATS,
Filament—
 see Rheostats, Battery

RIBBON ANTENNA
WIRE—
 see Wire, Flat or Strip
 Copper

RIVETS,
Brass and Copper
 Ambrac—see American Brass
 Co.
 American Brass Co., Water-
 bury, Conn. "Ambrac"
 Blake & Johnson Co., 1495
 Thomaston Ave., Water-
 bury, Conn.
 Bridgeport Brass Co., Bridge-
 port, Conn.
 Champion Brass Works, 260
 Division St., Coldwater,
 Mich.
 Eagle—see Plume & Atwood
 Mfg. Co.
 Grammes, L. F., 438 Union
 St., Allentown, Pa.
 Hassal, John, Clay & Oak-
 land Sts., Brooklyn, N. Y.
 Plume & Atwood Mfg. Co.,
 470 Bank St., Waterbury,
 Conn. "Eagle"
 Progressive Mfg. Co., 52 Nor-
 wood St., Torrington, Conn.
 Rome Brass & Copper Co.,
 Bouck St., Rome, N. Y.
 Steele & Johnson Mfg. Co.,
 779 S. Main St., Water-
 bury, Conn.
 Stimpson Co., Edwin B. 70
 Franklin Ave., Brooklyn,
 N. Y.
 Waterbury Mfg. Co., 236
 Grant St., Waterbury,
 Conn.


ROD ALUMINUM—
 see Aluminum, Sheet

ROD FIBRE—
 see Fibre, Vulcanized

RODS,
Brass and Copper—
 see Brass and Copper,
 Sheet

RODS, Glass—
 see Tubing, Glass

RODS, Ground
 Burn-Boston Battery & Mfg.
 Co., 80 Boylston St., Bos-
 ton, Mass.
 Copperweld Steel Co., Ran-
 kin, Pa.
 Electrad, Inc., 428 Broad-
 way, New York, N. Y.
 "Hydroground"



HARD RUBBER

RADIO PANELS

Distinctive and rich in appearance. One side Florentine, other side plain Black or Mahogany. Highest quality material, designed especially for radio purposes; Low Loss Panel excelling in electrical and mechanical properties. Easy to drill and build into sets; gives best results in radio reception. Panels also furnished in plain Black and Mahogany. Write us for samples of this new, more beautiful and more serviceable panel.

Hood Panels Packed in Hood Envelopes

*Write Us for Name of Nearest Distributor—
 Samples, Prices, Etc.*

HOOD RUBBER CO., WATERTOWN, MASS.
 HARD RUBBER DEPT.

✓ Electric Service Supplies Co.,
 17th & Cambria Sts., Phila-
 delphia, Pa. "Keystone."
 See advertisement, page 12.
 Hubbard & Co., 6301 Butler
 St., Pittsburgh, Pa.
 Hydroground—see Electrad,
 Inc.
 Keystone—see Electric Serv-
 ice Supplies Co.
 Liberty Metal Products Corp.,
 Berea, Ohio
 Paragon Electric Co., 409 S.
 Dearborn St., Chicago, Ill.

ROTARY
CHOPPERS—
 see Choppers, Rotary

ROTARY
HACK SAWS—
 see Cutters, Panel Hole

ROTARY
SPARK GAPS—
 see Gaps, Rotary Spark

ROUND NOSE
PLIERS—
 see Pliers, Round Nose

RUBBER
BATTERY JARS—
 see Jars, Rubber Battery

RUBBER
BATTERY MATS—
 see Mats, Rubber Battery

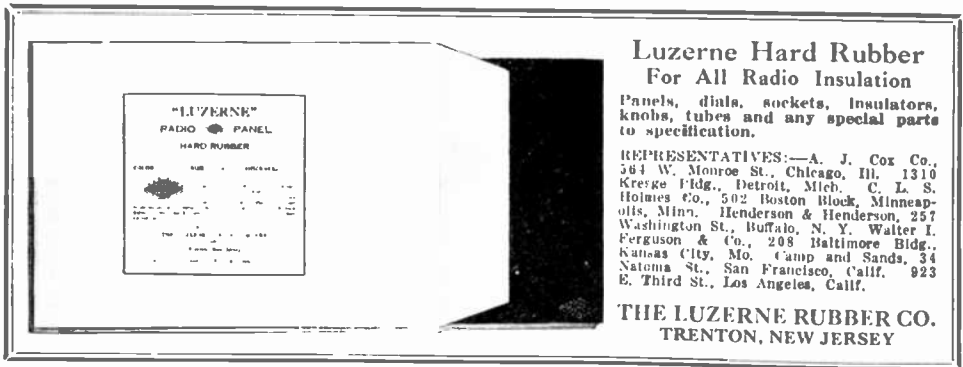
RUBBER
BATTERY TRAYS—
 see Trays, Rubber Battery

RUBBER
BINDING POSTS—
 see Posts, Composition
 Binding

RUBBER
COVERED WIRE—
 see Wire, Rubber Covered

RUBBER DIALS—
 see Dials, Rubber

RUBBER, Hard
Sheet, Rod and Tube
 ✓ Aetna Rubber Co., 811 E.
 79th St., Cleveland, Ohio
 "Aetnalite." See adver-
 tisement, page 110.
 Actualite—see Aetna Rub-
 ber Co.
 American Hard Rubber Co.,
 11 Mercer St., New York,
 N. Y. "Radion"
 Forest City Rubber Co., 1276
 Ontario St., Cleveland, Ohio



**"LUZERNE"
RADIO PANEL
HARD RUBBER**

**Luzerne Hard Rubber
For All Radio Insulation**

Panels, dials, sockets, insulators, knobs, tubes and any special parts to specification.

REPRESENTATIVES:—A. J. Cox Co., 364 W. Monroe St., Chicago, Ill. 1310
Kreske Bldg., Detroit, Mich. C. L. S. Holmes Co., 502 Boston Block, Minneapolis, Minn. Henderson & Henderson, 257 Washington St., Buffalo, N. Y. Walter I. Ferguson & Co., 208 Baltimore Bldg., Kansas City, Mo. Camp and Sands, 34 Natoma St., San Francisco, Calif. 923
E. Third St., Los Angeles, Calif.

**THE LUZERNE RUBBER CO.
TRENTON, NEW JERSEY**

RUBBER, Hard Continued

- Goodrich Rubber Co., B. F., Akron, Ohio
- ✓Hood Rubber Co. (Hard Rubber Dept.), Watertown, Mass. See advertisement, page 111.
- ✓Luzerne Rubber Co., Trenton, N. J. See advertisement, page 112.
- New York Rubber Co., 19 Thomas St., New York, N. Y.
- Radion—see American Hard Rubber Co.
- Sun Rubber Co., Barberton, Ohio
- United States Rubber Co., 1790 Broadway, New York, N. Y.
- Vulcanized Rubber Co., 251 Fourth Ave., New York, N. Y. "Vulco"
- Vulco—See Vulcanized Rubber Co.

RUBBER HORNS— see Horns, Rubber

RUBBER PANELS— see Panels, Cutters, Drillers and Engravers of also Rubber, Hard

RUBBER PHONE CUSHIONS— see Cushions, Rubber Phone

RUBBER, Rod— see Rubber, Hard

RUBBER SET CUSHIONS— see Cushions, Rubber Set

RUBBER, Sheet— see Rubber, Hard

RUBBER SOCKET CUSHIONS— see Cushions, Rubber Socket

RUBBER TUBES— see Rubber, Hard

RUBBER TUBING— see Tubing, Soft Rubber

RUBBER VARIOCOUPERS— see Variocouplers

RUBBER VARIOMETERS— see Variometers

SADDLE STAPLES— see Staples, Insulated

SALTS, Soldering— see Flux, Soldering

SAND PAPER— see Paper, Emery and Sand

SATURATING MACHINES— see Machines, Coil Impregnating

SAWS, Panel Baker & Co., R. L., 642 W. Washington Blvd., Chicago, Ill.

SAWS, Rotary Hack— see Cutters, Panel Hole

SCREW DRIVERS— see Drivers, Screw

SCREW HOLDERS— see Clamps, Machine Screw

SCREW MACHINE PRODUCTS, Automatic

- Ajax—see Philmore Mfg. Co.
- Aluminum Co. of America, Oliver Bldg., Pittsburgh, Pa.
- American Metal Works, Stenton Ave. & Rockland St., Philadelphia, Pa.
- Ansonia Mfg. Co., Ansonia, Conn.

✓Arrow Hardware Corp., 27 Ventry St., New York, N. Y. See advertisement, page 150.

- Atlantic Mfg. Co., 20 New Haven Ave., Milford, Conn.
- Automotive Electric Service Corp., 210 Paterson Turnpike, North Bergen, N. J.
- Autoscrew Co., 355 W. Broadway, New York, N. Y.
- Barnes Co., Willlam, Bristol, Conn.

- Blake & Johnson Co., 1495 Thomaston Ave., Waterbury, Conn.
- Bridgeport Brass Co., Bridgeport, Conn.

- Brown-McLaren Mfg. Co., 5853 Fort St., W., Detroit, Mich.

- Carey & Son, F. W., Warren, Mass.

- Central Machinery & Supplies Co., 148 Chambers St., New York, N. Y.

- Chicago Nut Mfg. Co., 2513 W. Cullerton St., Chicago, Ill.

- Chicago Screw Co., 1026 S. Homan Ave., Chicago, Ill.

WARNER BROS. CO.

Metal Dept.

Bridgeport, Conn.

Condensers
 Jacks
 Screws (Machine)
 Screw Machine Products
 Wire (Forming)

ALL FOR RADIO

Get our prices

WARNER BROS. CO., *Metal Dept.*
 Bridgeport, Conn.

Save Assembly Time by specifying NAMCO Screw Products

—to specifications

You'll find that modern production methods plus a frequent and accurate inspection system, gives you from NAMCO, parts that will fit snugly with no fussing, fumbling or fitting.

Complete facilities for special screw machine work, whether you need a thousand parts or a million parts.

—from stock—

MILLED BRASS NUTS
 MILLED BATTERY NURLS

Specify NAMCO

The National Acme Company
 Cleveland, Ohio

New York Detroit Chicago

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

—without charge, of course.

THE RADIO TRADE DIRECTORY

We Manufacture to Your Specifications

RADIO PARTS OF PRECISION

Condensers, Variable & Vernier.
 Condenser Plates.
 Metal Stampings.

Battery Nuts & Clips.
 Screw Machine Products.

Machine Screws.
 Hinges.
 Special Metal Shapes.

Brass Sheet, Rod, Wire, & Seamless Tubing.
 Main Office, Mills, & Factories—Waterbury, Conn.

280 Broadway, New York
 1229 W. Washington Blvd.
 Chicago
 89 Federal St., Boston
 Franklin Trust Bldg.,
 Philadelphia



1213 W. 3rd St., Cleveland
 45 Fairlie St., Atlanta
 651 Folsom St.,
 San Francisco
 2261 E. 15th St.,
 Los Angeles

Radio Screw Machine Parts

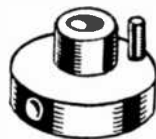


We specialize in radio screw machine parts and offer a dependable service.



Closest limits, prompt delivery, at a price made possible by long experience.

Special attention to rush orders.



J. E. POORMAN, 1827 W. Bristol St., Philadelphia, Pa.

SCREW MACHINE PRODUCTS, Automatic Continued

- Christiansen & Co., N. M., 261 Franklin St., Boston, Mass.
- Cincinnati Automatic Machine Co., Cincinnati, Ohio
- Columbia Metal Products Co., 357 E. Ohio St., Chicago, Ill.
- Conrad Bros., 1069 Cooper Ave., Evergreen, L. I., N. Y.
- Corbin Screw Corp., 227 High St., New Britain, Conn.
- Davis & Hemphill, Elkridge, Md.
- Dayton Automatic Specialty Co., 310 N. Second St., Dayton, Ohio
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- Eclipse Machine Co., Hoboken, N. J.
- Eloc Radio Corp., 88 E. Kinney St., Newark, N. J.
- Eureka Tin Ware Mfg. Co., 629 E. 16th St., New York, N. Y.
- Fisher Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.
- Gray & Danielson Mfg. Co., 250 First St., San Francisco, Cal.
- Hartford Machine Screw Co., Capitol Ave., Hartford, Conn.
- ✓Hubbell, Harvey, Bridgeport, Conn. See advertisement, page 116.
- Hudson Metal Products Co., 120 N. Green St., Chicago, Ill.
- Instant Electric Water Heater Co., 304 E. Washington Ave., Bridgeport, Conn.
- Kings Mfg. Co., 32 33d St., Brooklyn, N. Y.
- Liberty Screw Products Co., 383 Schrewsbury St., Worcester, Mass.
- Lovejoly Chaplet Co., Hoosick Falls, N. Y.
- ✓Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for Liberty Screw Machine Products.) See advertisement, page 139.
- Mattatuck Mfg. Co., E. Main St., Waterbury, Conn.
- ✓Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.
- Namco—see National Acme Co.
- ✓National Acme Co., Cleveland, Ohio. "Namco" See advertisement, page 113.
- New England Screw Co., 44 Farnsworth St., Boston, Mass.
- Olson Mfg. Co., 56 Commercial St., Worcester, Mass.
- Osland, Inc., 132 Fifth Ave., New York, N. Y.
- Peck Spring Co., Plainville, Conn.
- Perry-Fay Co., Elyria, Ohio
- Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago, Ill.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- ✓Poorman, J. E., 1827 W. Bristol St., Philadelphia, Pa. See advertisement, page 114.
- Precision Machine Co., 404 W. Tenth St., Indianapolis, Ind.
- Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
- Reliable Machine Screw Co., 355 Mulberry St., Newark, N. J.
- Rex Products Co., 5606 Euclid Ave., Cleveland, Ohio
- Royersford Screw Machine Works, Royersford, Pa.
- ✓Seovill Mfg. Co., Waterbury, Conn. See advertisement, page 113.
- Screw Machine Products Corp., 1012 Eddy St., Providence, R. I.
- Screw Machine Specialty Co., 314 29th St., Pittsburgh, Pa.
- Simmons Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio
- Steele & Johnson Mfg. Co., 779 S. Main St., Waterbury, Conn.
- Stein & Co., William, 293 Washington St., Newark, N. J.
- Stuckeman Bros., 204 Warrington Ave., Pittsburgh, Pa.
- Thomaston Mfg. Co., Thomaston, Conn.
- Torrington Mfg. Co., 5 Franklin St., Torrington, Conn.
- Trumbull Electric Mfg. Co., Plainville, Conn.
- Union Radio Corp., 124 Sussex Ave., Newark, N. J.
- Unity Mfg. Co., 224 N. Halsted St., Chicago, Ill.
- ✓Warner Brothers Co., Metal Dept., Bridgeport, Conn. See advertisement, page 113.
- Waterbury Brass Goods Corp., Waterbury, Conn.
- Waterbury Mfg. Co., 236 Grant St., Waterbury, Conn.
- Western Brass Mfg. Works, Marshall Blvd. & 21st St., Chicago, Ill.
- Westwye Co., 283 Elm St., Westfield, Mass.
- Wheeler & Son, Frank, Meriden, Conn.
- Wicaco Screw & Machine Works, Stenton Ave. & Louden St., Philadelphia, Pa.

SCREWS,

Brass Machine

- American Screw Co., 21 Stevens St., Providence, R. I.
- ✓Arrow Hardware Corp., 27 Vestry St., New York, N. Y. See advertisement, page 150.
- Blake & Johnson Co., 1495 Thomaston Ave., Waterbury, Conn.
- Bridgeport Screw Co., Williston St. & Union Ave., Bridgeport, Conn.
- Chicago Nut Mfg. Co., 2513 W. Cullerton St., Chicago, Ill.
- Chicago Screw Co., 1026 S. Homan Ave., Chicago, Ill.
- Corbin Screw Corp., 227 High St., New Britain, Conn.
- Economy Screw Corp., 5215 Ravenswood Ave., Chicago, Ill.
- Hartford Machine Screw Co., Capitol Ave., Hartford, Conn.
- ✓Hubbell, Harvey, Bridgeport, Conn. See advertisement, page 116.
- New England Screw Co., 44 Farnsworth St., Boston, Mass.
- Pawtucket Screw Co., Pawtucket, R. I.
- Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago, Ill.
- Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
- Reading Screw Co., Norristown, Pa.
- Reede & Prince Mfg. Co., Duncan Ave., Worcester, Mass.
- ✓Seovill Mfg. Co., Waterbury, Conn. See advertisement, page 113.

SCREWS,**Brass Machine
Continued**

- Screw Machine Specialty Co.,
314 29th St., Pittsburgh,
Pa.
✓ Warner Bros. Co., Metal
Dept., Bridgeport, Conn.
See advertisement, page
113.

SCREWS, Brass Wood

- American Screw Co., 21
Stevens St., Providence,
R. I.
✓ Arrow Hardware Corp., 27
Vestry St., New York, N. Y.
See advertisement, page
150.
Bridgeport Screw Co., Williston
St. & Union Ave.,
Bridgeport, Conn.
Continental Wood Screw Co.,
Mt. Pleasant St., New Bedford,
Mass. "Holtite"
Corbin Screw Corp., 227 High
St., New Britain, Conn.
Holtite — see Continental
Wood Screw Co.
Reading Screw Co., Norristown,
Pa.
Reed & Prince Mfg. Co., Duncan
Ave., Worcester, Mass.
Waterbury Mfg. Co., 236
Grand St., Waterbury,
Conn.

SCRIBERS, Machinists'

- Braunsdorf-Mueller Co., 205
Madison St., Elizabeth,
N. J.
✓ Bridgeport Hardware Mfg.
Corp., Dept. R., Bridgeport,
Conn. "Radio-Lectric"
See advertisement,
page 57.
Brown & Sharpe Mfg. Co.,
Promenade St., Providence,
R. I.
Goodell-Pratt Co., Wells St.,
Greenfield, Mass.
Millers Falls Co., Millers
Falls, Mass.
Radio-Lectric — see Bridgeport
Hardware Mfg. Corp.
Starrett Co., L. S., 165 Crescent
St., Athol, Mass.
✓ Stevens & Co., 375 Broadway,
New York, N. Y.
Cataloged on page 186.

SEALING**COMPOUNDS—**

see Compounds, Battery
Sealing

SELECTORS, Wave—

see Traps, Wave

SEPARATORS,**Rubber Battery—**

see Rubber, Hard

SEPARATORS,**Wood Battery**

- Baltimore Battery Separator
Co., 216 Cold Spring Lane
(Roland Park), Baltimore,
Md.

Ermet Mfg. Co., Indianapolis,
Ind.

- Estes & Sons, E. H., 362
Fifth Ave., New York, N. Y.
Indianapolis Mfg. Co., Indian-
apolis, Ind.
Stewart Mfg. Co., W. E., 14th
& Elm Sts., Flint, Mich.
Ulett Mfg. Co., Medford,
Mass.

SETS, Crystal

Acme—see Everett Radio Co.
Acme—see Pacific Screw Co.
Aeolus Corp., 161 Grand St.,
New York, N. Y. "Radio-
lette"

- ✓ Aerovox Wireless Corp., 489-
93 Broome St., New York,
N. Y. See advertisement,
page 38.

Ajax—see Philmore Mfg. Co.
Ajax Electric Co., 18 Palmer
St., Cambridge, Mass.

Ajax Electric Specialty Co.,
1926 Chestnut St., St.
Louis, Mo.

Audiola Radio Co., 430 S.
Green St., Chicago, Ill.
"Midget"

Audio-Tone Radio Co., 2831
Middletown Rd. (Bronx)
New York, N. Y. "Kry-
stalceptor"

Baby Grand — see Beaver
Machine & Tool Co.

Beaver Machine & Tool Co.,
625 Third St., Newark,
N. J. "Baby Grand"

Berman Sporting Goods Co.,
92 E. Seventh St., St. Paul,
Minn.

Bestone—see Hyman & Co.
Bird Radio Corp., 322 Main
St., Cincinnati, Ohio

Blinker—see Perry & Sons
Breco — see Bronx Radio
Equipment Co.

Bronx Radio Equipment Co.,
587 Courtlandt Ave., New
York, N. Y. "Breco"

- ✓ Brooklyn Metal Stamping
Corp., 718 Atlantic Ave.,
Brooklyn, N. Y. "Pandora"
Cataloged on page 82.
Burwell Co., Lee D., 1614
Harmon Pl., Minneapolis,
Minn.

Carco—see Carter Mfg. Co.
Carter Mfg. Co., 1728 Colt
Ave., (E. Cleveland) Cleve-
land, Ohio "Carco"

Case Toy & Sales Co., 7250
Kelley St. (Homewood Sta.)
Pittsburgh, Pa.

Cat's Meow—see Morvillo &
Sons

C. D. T.—see Tanner Radio
Co.

Champion Radio Products
Co., 1400 E. 47th St., Chi-
cago, Ill.

Cherington Radio Products,
Waukegan, Ill.

Clearstone Radio Electrical
Supply Co., 70 Audubon
Ave., Providence, R. I.

- ✓ Cloverleaf Mfg. Co., 2716 S.
Canal St., Chicago, Ill.
"Wow" See advertisement,
page 116.

Concert Jr. — see Concert
Radiophone Co.

Concert Radiophone Co., 1938
Euclid Ave., Cleveland,
Ohio "Concert Jr."

Corcoran Lamp Co., Thos. J.,
4890 Spring Grove Ave.,
Cincinnati, Ohio

Durban Electric Co., 400 N.
Laramie Ave., Chicago, Ill.

Dymac—see Electrical Pro-
ducts Mfg. Co.

Electric City Novelty & Mfg.
Co., 120 Odell St., Schene-
ctady, N. Y. "Radjo"

Electrical Products Mfg. Co.,
69 Sprague St., Providence,
R. I. "Dymac"

Elf—see Westwyre Co.

SET CUSHIONS,**Rubber—**

see Cushions, Rubber Set

SET PROTECTORS—

see Arresters, Lightning
Indoor

SETS, Combination**Radio-Phonograph**

Adler Mfg. Co., 881 Broad-
way, New York, N. Y.
"Adler-Royal" "Royal"

Adler-Royal—see Adler Mfg.
Co.

Arden — see Brunswick-
Balke-Collider Co.

Autophone Mfg. Corp., 324
E. 23d St., New York, N. Y.

Brenard Mfg. Co., Iowa City,
Iowa "Claxtonola"

Brendonne Corp., 42 Main
St., Orange, N. J.

Brunswick-Balke-Collider
Co., 629 S. Wabash Ave.,
Chicago, Ill. "Arden"

Bush & Lane Piano Co., Hol-
land, Mich. "Duo-Vox"

Cheney Talking Machine Co.,
Grand Rapids, Mich.

Claxtonola — see Brenard
Mfg. Co.

Clemetsen Co., Anton, 4223
W. Lake St., Chicago, Ill.

Duo-Vox—see Bush & Lane
Piano Co.

Pathe Phonograph & Radio
Corp., 20 Grand Ave.,
Brooklyn, N. Y.

Phonoradio — see Wasmuth-
Goodrich Co.

Player-Tone Talking Machine
Co., 632 Grant St., Pitts-
burgh, Pa.

Radio-Fone-O-Graf Co., 27 S.
Broad St., Elizabeth, N. J.

Radio Master Corp. of Amer-
ica, Bay City, Mich.

Royal—see Adler Mfg. Co.

Simmons Phonograph Co.,
Seattle, Wash.

Sonora Phonograph Co., 279
Broadway, New York,
N. Y. "Sonoradio"

Sonoradio — see Sonora
Phonograph Co.

Starr Piano Co., First & So.
A Sts., Richmond, Ind.

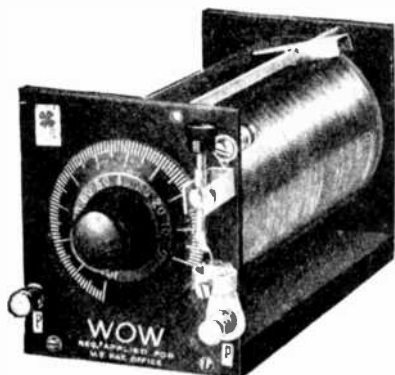
Vincennes Phonograph Co.,
Vincennes, Ind.

Vitanola Talking Machine
Co., American Furniture
Mart Bldg., Chicago, Ill.

"Vitaradio"
Vitaradio — see Vitanola
Talking Machine Co.

Wasmuth-Goodrich Co., (Oak-
dale) Peru, Ind. "Phono-
radio"

The Peer of Crystal Sets



QUALITY—SERVICE

Builds sales by satisfying the user

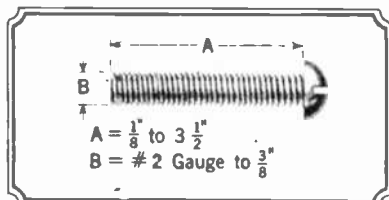
ROTARY COIL— SELECTIVE TUNING

The newest thing in Crystal Sets
—and the best

Extremely loud Very Selective

Get Particulars

CLOVERLEAF MFG. CO.
2716 S. Canal St., Chicago, Ill.



STANDARD AND Special Machine Screws for Radio

Special designs in head, shank and point made to your blueprints. Estimates on Specials solicited.

Quality of workmanship and materials and uniformity of product, maintained to high standards.

Prompt delivery on Standard styles and sizes — Round — Flat — Fillister, French and Binding Head in Brass and Iron.

HARVEY HUBBELL INC

MACHINE SCREWS

BRIDGEPORT CLEVELAND, OHIO
NEW YORK, N. Y. 30 EAST 42ND ST. SCHOFIELD BLDG.

3578-U

SETS, Crystal Continued

- Eureka — see Pacific Screw Co.
Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill.
"Acme"
Federal Telephone Mfg. Corp., Buffalo, N. Y.
Ferro Equipment Co., 221 E. 26th St., Chicago, Ill.
Flash Radio Corp., 127 Federal St., Boston, Mass.
Flivver — see Lightrite Co.
Ford Co., K. N., 1411 Alta Vista Blvd., Los Angeles, Cal. "Radiogrand"
Glen — see Voges Co.
Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
Gundlach-Manhattan Optical Co., Rochester, N. Y.
Haller, W. B., 2100 Sarah St., S. S., Pittsburgh, Pa. "Hallerio"
Hallerio — see Haller, W. B.
Hamburg Bros., 440-46 Seventh Ave., Pittsburgh, Pa. "Pennsylvania" See advertisement, page 67.
Hargraves, C. E. & H. T., Lakewood, R. I. "Mel-O-Tone"
Hearwell Electric Co., 53 Devonshire St., Boston, Mass.
Heintz-Kohlmoos, 221 Natoma St., San Francisco, Cal.
Howe Auto Products Co., 120 N. Green St., Chicago, Ill.

- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
Inman Specialty Store, 450 High St., Holyoke, Mass.
Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Quality"
Krystalceptor — see Audio-Tone Radio Co.
L. D. R. — see United Metal Stamping & Radio Co.
Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"
Lemco — see Lee Electric & Mfg. Co.
Lightrite Co., 167 Bloomfield Ave., Bloomfield, N. J. "Flivver"
Little Tattler — see Marinette Electric Corp.
Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
Marinette Electric Corp., Marinette, Wis. "Little Tattler"
Marvel Radio Co., 24 W. 42d St., New York, N. Y.
Master Electric Co., 113 S. Jefferson St., Chicago, Ill.
Mel-O-Tone — see Hargraves, C. E. & H. T.
Metro — see Pal Sales Corp.
Midget — see Audiola Radio Co.
Midget — see Orator Radio Corp.
Miller Radio Co., A. H., 1259 W. Grand Blvd., Detroit, Mich.

- Miracle — see Uncle Al's Radio Shop.
Mohawk Battery & Radio Co., 2115 Sunset Blvd., Los Angeles, Cal.
Morvillo & Sons, G., 239 Federal St., Providence, R. I. "Cat's Meow"
Nickelette — see Novelty Radio Mfg. Co.
Non Skid Crystal Mfg. Co., 5601 E. 15th St., Kansas City, Mo.
Novelty Radio Mfg. Co., 204 S. Fourth St., St. Louis, Mo., "Nickelette"
Orator Radio Corp., 54th St. & Broadway, New York, N. Y.
Pacific Screw Co., 645 N. E. 53d St., Portland, Ore. "Acme" "Eureka"
Pal Radio Co. — see Pal Sales Corp.
Pal Sales Corp., Tube Concourse Bldg., Jersey City, N. J. (Sole Sales Representatives for Pal Radio Co., Jersey City, N. J.) "Metro"
Pandora — see Brooklyn Metal Stamping Co.
Penberthy Injector Co., 1242 Holden Ave., Detroit, Mich.
Pennsylvania — see Hamburg Bros.
Pentz Radio Factory, 207 S. Fifth St., Minneapolis, Minn.
Perry & Sons, Frank B., Hospital Trust Bldg., Providence, R. I. "Blinker"

The Climax of B-T Achievements
The "Counterphase"

Even better than the "Nameless." Only two tuning controls. The addition of the sixth tube where it will do the most good—as a third stage of r.f. amplification. Only a short indoor antenna necessary. Selective to where further sharpness would cut off the side bands and cause distortion. New B-T wiring cable hooks up all r.f. leads correctly and quickly.

Kits for building Counterphase-Six (3 stages r.f.) and Counterphase-Five (2 stages r.f.) contain essential parts.

Write for Full Information

BREMER-TULLY MFG. CO., 532 So. Canal St., Chicago



"The Best Bet in a Superhet"
 Because it equals the \$200.00 receiver!

But the kit sells for only

W. R. KITS—CONTAIN

- 1—Antenna Coupler.
- 1—Oscillator Coupler.
- 1—Input Transformer.
- 3—Intermediate Transformers.
- 2—Large Blue Prints and Instructions.

\$ 10.⁰⁰

WM. ROSENBLOOM CO.

11 Deering Rd., Mattapan, Mass.

SETS, Crystal
 Continued

- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pyramid Products Co., 117 N. Dearborn St., Chicago, Ill.
- Quality — see Kodol Radio Corp.
- Radiclear—see Taylor Electric Co.
- Radio Specialties Co., 34 Golden Gate Ave., San Francisco, Cal.
- Radiogem Corp., 66 West Broadway, New York, N. Y.
- Radiogrand—see Ford Co.
- Radiolette—see Aeolus Corp.
- Radio — see Electric City Novelty & Mfg. Co.
- Roll-O Radio Corp., Fosdick Bldg., Cincinnati, Ohio
- St. Marks Radio Co., 29 Third Ave., New York, N. Y.
- Seco—see Spielman Electric Co.
- Selectrol Radio Corp., 565 Broadway, New York, N. Y.
- Spielman Electric Co., 311 W. 59th St., New York, N. Y. "Seco"
- Stafford Radio Co., 29 Newberne St., Medford Hillside, Mass.
- Steintel Laboratories, Radio Bldg., Atchison, Kans.
- Stelmertz Wireless Mfg. Co., 5968 Baum Blvd., Pittsburgh, Pa.
- Tanner Radio Co., C. D., 528 W. Washington St., Los Angeles, Cal. "C. D. T."
- Taylor Electric Co., 1206 Broad St., Providence, R. I. "Radiclear"

- Thoma Radio Co., J. H., 1435 Beaver Ave., Pittsburgh, Pa.
- Townner Radio Mfg. Co., 2620 Victor St., Kansas City, Mo.
- Trescola—see Tri-City Radio Electric Supply Co.
- Tri-City Radio Electric Supply Co., Davenport, Iowa "Trescola"
- Tripple Reflector Corp., 310 S. Michigan Ave., Chicago, Ill.
- Trix — see Wolverine Radio Co.
- Tustin Radio & Electric Co., 428 Sutter St., San Francisco, Cal.
- Uncle Al's Radio Shop, 2017 27th Ave., Oakland, Cal. "Miracle"
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio "L.D.R."
- Van Valkenburg Co., L. D., Holyoke, Mass.
- Voges Co., Glen F., 511 N. Main St., St. Louis, Mo. "Glen"
- Westwre Co., 283 Elm St., Westfield, Mass. "Elf"
- Wolverine Radio Co., 103 W. Atwater St., Detroit, Mich. "Trix"
- Wow — see Cloverleaf Mfg. Co.
- X-L Radio Co., 1623 S. Vermont Ave., Los Angeles, Cal.

- Jewell Electrical Instrument Co., 1640 Walnut St., Chicago, Ill.
- Leich Electric Co., Genoa, Ill. "Scout"
- Peffer, R. M., 334 Chestnut St., Harrisburg, Pa.
- Radio Headquarters Laboratories, Broadway & Ankeny St., Portland, Ore.
- Scout—see Leich Electric Co.
- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
- Thomas, Haydn A., 4034 Lexington St., Chicago, Ill.

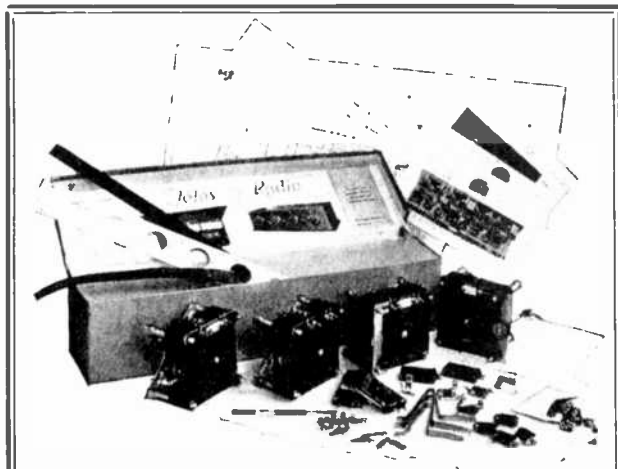
SETS, Head—
 see Head-Sets

SETS, Knockdown

- A. C.—see Amplex Instrument Laboratories.
- A-C Electrical Mfg. Co., Dayton, Ohio
- A C H—see Hayden Radio & Research Co.
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass. "Acmeflex"
- Acmeflex—see Acme Apparatus Co.
- Acrovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- Alrkey—see Manhattan Radio Co.
- Akracy—see Sunbeam Radio Corp.

SETS, Electrical
 Testing

- Burton-Rogers Co., 26 Brighton Ave., Boston, Mass. See advertisement, page 9.



Sell the KIT that experienced fans want—Telos!

Where the experienced radio fan buys—others follow!
What he buys, others buy!

And to-day, fans who *know* radio, who have built scores of circuits, are enthusiastically buying the new Telos Kit. It is rightly called "The KIT of a thousand possibilities"—for it opens up new accomplishments in radio by the thousand! It makes *three stages* of tuned R.F. amplification entirely practical! It combines tuned R.F. with super-imposed (reflexed) A.F. It can be run on dry cell tubes throughout! The simplified charts that come with every KIT show how to construct six and seven tube sets that are unequalled for distance and selectivity, and that are nevertheless amazingly economical to operate.

The Telos KIT, listing for \$60, is a big money's worth, and is a mighty profitable dealer investment. Telos is consistently advertised, month after month in leading radio publications.

Write, to-day, for the complete details of the KIT, and learn the profit and prestige for you in selling Telos.



Telos Radio

Danziger-Jones, Inc., Dept. D
25 Waverly Place, NEW YORK, N. Y.

SETS, Knockdown Continued

- All-Amaz—see All-American Radio Corp.
All-American Radio Corp., 4221 W. Belmont Ave., Chicago, Ill. "All-Amaz"
American Interstate Radio Service, 183 Greenwich St., New York, N. Y.
Amplex Instrument Laboratories, 88 W. Broadway, New York, N. Y. "A. C."
Amsco Products, Inc., 416 Broome St., New York, N. Y. "Melco Supreme"
Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
Apex Electric Mfg. Co., 1410 W. 59th St., Chicago, Ill. "Microdyne"
Art Craft Mfg. Co., 22 Warren St., New York, N. Y.
Atlantic & Pacific Radio Corp., 223 W. 34th St., New York, N. Y.
Baldwin-Pacific & Co., Pacific Bldg., San Francisco, Cal. "Pacific Quintet" "Pacific Ranger" "Pacific Rainbow"
B-I-Tone Radio Co., 161 Jamaica Ave., Brooklyn, N. Y.
Biltmore Radio Co., 94 Green St. (Jamaica Plain) Boston, Mass.
Birch-Field Radio Corp., 110 W. 40th St., New York, N. Y. "Dyne-O-Night"
Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.
Branton, Chas. A., 813 Main St., Buffalo, N. Y.
✓Bremer-Tully Mfg. Co., 532 "N a m e l e s s" Counterphase" See advertisements, pages 41, 53, 117 and 165.
Browning-Drake—see National Co.
Brunswick—see Schwab, Inc., Harold M.
Chime-Tone—see Eureka Specialty Co.
Cleveland Products Co., 714 Huron Rd., Cleveland, Ohio
Como Apparatus Corp., 343 Kelley St., Manchester, N. H.
Counterphase—see Bremer-Tully Mfg. Co.
Crescent Radio Mfg. Co., 219 Greenwich St., New York, N. Y.
Culver-Stearns Mfg. Co., 53 Grafton St., Worcester, Mass. "Lloyd C. Greene"
✓Danziger-Jones, Inc., Dept. D., 25 Waverly Pl., New York, N. Y. "Telos" See advertisement, page 118.
De Witt-La France Co., 54 Washburn Ave., Cambridge, Mass.
Diamadyne—see Norbert Radio Co.
Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
Durrant Radio, Ltd., 52 Vanderbilt Ave., New York, N. Y.
Dyne-O-Night—see Birch-Field Radio Corp.

SETS, Knockdown

Continued

- Eagle Condensers. Inc., 760 Bedford Ave., Brooklyn, N. Y.
- Economy—see Morrison Radiophone Co.
- Electric Appliance Shop, 336 S. Broadway, Los Angeles, Cal.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Elgin Radio Supply Co., 207 E. Chicago St., Elgin, Ill. "Super-Reinartz"
- Elkay—see Langbein-Kaufman Radio Co.
- Erla—see Electrical Research Laboratories
- Eureka Specialty Co., 173 E. 96th St., New York, N. Y. "Chime-Tone"
- Experimenters Information Service, Inc., 476 Broadway, New York, N. Y.
- Fada—see Andrea, F. A. D.
- Fear, Ralph G., 809 N. Citrus Ave., Hollywood, Cal. "Fearless Simplex"
- Fearless Simplex—see Fear, Ralph G.
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
- Friedlander-Kopple Radio Service, 149 Church St., New York, N. Y. "Welbilt"
- Gearhart - Schlueter Radio Corp., Fresno, Cal. "Quadrarformer"
- Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Globe Radio Equipment Co., 217 W. 125th St., New York, N. Y.
- Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
- Greater Atlantic & Pacific Radio Corp., 223 W. 34th St., New York, N. Y.
- Hanscom, Allan T., Woonsocket, R. I. "Superunit"
- Harkness Radio Corp., Kenneth, 727 Frelinghuysen Ave., Newark, N. J.
- Hayden Radio & Research Co., A. C., Brockton, Mass. "A C H"
- Haynes-Griffin Radio Service, Inc. — see Tested Radio Products
- Hilco-Dyne — see Hill Mfg. Co.
- Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco-Dyne"
- Hudson Terminal Radio & Electric Co., 30 Church St., New York, N. Y.
- Illinois Radio Appliance Co., 1426 E. 70th St., Chicago, Ill.
- Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J. "Polydyne" "Puradyne"
- Indiana Mfg. & Electric Co., 30th & Adams Sts., Marion, Ind.
- Jamieson, H. E., Rivera, Cal.

The New Haynes R. F. Unit—

bound to be a big seller this season

Already Haynes-Griffin dealers report splendid sales of this new Radio Frequency Unit. Every indication points to a sale fully equal to, or even greater than other circuits designed by Mr. Haynes.

The new Haynes R. F. Unit is easy and inexpensive to build. Complete parts retail for only \$10.00. It embodies the same simplicity of construction and operation that made other Haynes Circuits famous.

Designed for use ahead of any receiver. Gives a marked increase in selectivity, sensitivity and distance range. Many stations ordinarily inaudible on the set alone come in with good volume with the addition of the Haynes R. F. Unit.

Mr. Haynes' New Book Tells All About the New R. F. Unit

"A Universal R. F. Unit" gives a complete explanation of radio frequency amplification in simple, non-technical language. It tells how to build and operate the Haynes R. F. Unit, and what it will do. Complete constructional data, with diagrams and photographs of the R. F. Unit, and also a 4-tube set incorporating the new Haynes R. F. Circuit.

This new book will prove a wonderful help in selling the R. F. Unit.

The price is only 20c. a copy

For information on Haynes-Griffin products address

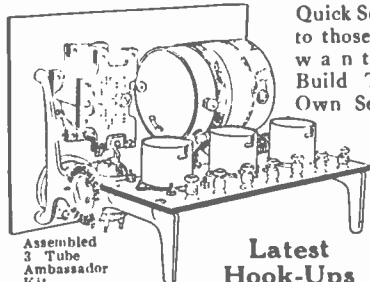
TESTED RADIO PRODUCTS, INC.

244 West 49th Street New York, N. Y.

National Sales Organization for

**HAYNES - GRIFFIN
RADIO PRODUCTS**

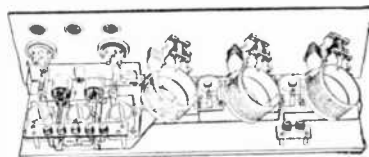
The Home of Semi-Assembled Kits and Knocked Down Sets



Assembled
3 Tube
Ambassador
Kit.

Quick Sellers
to those who
want to
Build Their
Own Set.

Latest
Hook-Ups



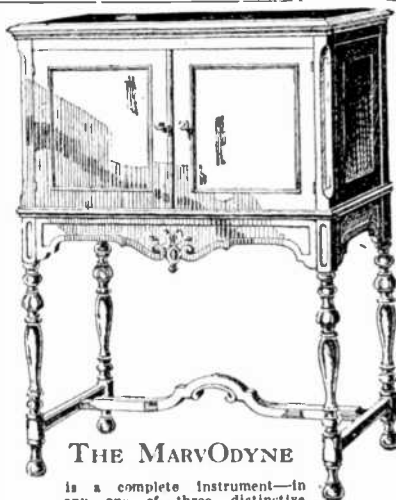
Building Parts for 5 Tube Neutrodyne

Standard Goods

RADIO PARTS

Wholesale Only
Write for Price List.

HAROLD M. SCHWAB, Inc.
55 Vesey St., New York



THE MARVODYNE

is a complete instrument—in any one of three distinctive models. A combination of new features, including the famous Fil-a-meter and Sonora Cabinet Work make it a specialized instrument that will sell on its exclusive points to a public who know the difference between bad and good radio.

Dealers—Write to

AMBER MANUFACTURING CORP'N
509 Eleventh Ave., New York City

MARVODYNE

The Set with the Fil-A-Meter

SETS, Knockdown Continued

- ✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- ✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- ✓ Keystone Radio & Electric Service, 6237 Haverford Ave., Philadelphia, Pa. See advertisement, page 121.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- ✓ Langbein-Kaufman Radio Co., Dept. O, 511 Chapel St., New Haven, Conn. "Elkay." See advertisement, page 126.
- Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"
- Lemco—see Lee Electric & Mfg. Co.
- Liberty Electric Corp., Stamford, Conn.
- Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.
- Lloyd C. Greene—see Culver-Stearns Mfg. Co.
- Lolos Explorer—see Radio Specialty Co.
- McLaughlin—see U-Ni-Dial Radio Co.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y. "Superb"
- Manhattan Radio Co., 112 Trinity Pl., New York, N. Y. "Airkey"
- Marathon Radio Corp., 133 First St., San Francisco, Cal.
- ✓ Martin-Copeland Co., Providence, R. I. "Rasia Mar-Co" See advertisement, page 69.
- ✓ Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for De Witt-La France Kits) See advertisement, page 139.
- Marwol Radio Corp., 546 Broadway, New York, N. Y.
- Melco-Supreme—see Amsco Products, Inc.
- Microdyne—see Apex Electric Mfg. Co.
- Miller Co., Bertrand F., High & Canal Sts., Trenton, N. J.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
- Morrison Radiophone Co., 305 Fairfield Ave., Bridgeport, Conn. "Economy"
- Moskowitz & Herbach, 512 Market St., Philadelphia, Pa.
- M. R. L.—see Montrose Radio Laboratories
- Multiflex—see Radio Receptor Co.
- Nameless—see Bremer-Tully Mfg. Co.
- Nassau Radio Corp., 80 Nassau St., Princeton, N. J.
- National Co., 110 Brookline St., Cambridge, Mass. "Browning-Drake"
- Nazeley Co., J., 571 Hudson St., New York, N. Y. "Roberts"
- Neutroflex—see Tanner Co.
- Neutrowound Radio Mfg. Co., 1721 Prairie Ave., Chicago, Ill.
- Norbert Radio Co., 638 W. 160th St., New York, N. Y. "Diamadyne"
- Norden, Hauck, Inc., 1617 Chestnut St., Philadelphia, Pa.
- Pacific Quintet—see Baldwin-Pacific Co.
- Pacific Rainbow—see Baldwin-Pacific Co.
- Pacific-Ranger—see Baldwin-Pacific Co.
- Peerless—see United Radio Corp.
- Phenix Radio Corp., 114 E. 25th St., New York, N. Y. "Ultradyne"
- Polydyne—see Imperial Electrical Mfg. Co.
- Prezel Radio Mfg. Co., 2158 Smead St., Toledo, Ohio
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
- Puradyne—see Imperial Electrical Mfg. Co.
- Quadriformer—see Gearhart-Schlueter Radio Corp.
- Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- Radio Engineering Laboratories, Marquette Bldg., Detroit, Mich.
- Radio Industries Corp., 131 Duane St., New York, N. Y. "Tropadyne" "Rico-Dyne"
- Radio Receptor Co., 106 Seventh Ave., New York, N. Y. "Receptrad" "Multiflex"

SETS, Knockdown Continued

- Radio Specialty Co., 98 Park Pl., New York, N. Y. "Lolos Explorer"
- Radio Woodcraft Division, 5245 Magnolia Ave., Chicago, Ill.
- Rasia Mar-Co.—see Martin-Copeland Co.
- Raven Radio, Inc., Coblesville, N. Y.
- Ray-Dec-Artercraft Mfg. Co., 12 E. Central Ave., Redlands, Cal.
- Receptrad—see Radio Receptor Co.
- Richardson Radio, Inc., 128 University Pl., New York, N. Y. See advertisement, page 127.
- Rico-Dyne—see Radio Industries Corp.
- Roberts—see Nazeley Co.
- Rocky Electric Co., Ingomar, Ohio
- Rosenbloom Co., Wm., 11 Deering Rd., Mattapan, Mass. See advertisement, page 117.
- Rossiter, Tyler & McDonnell, 136 Liberty St., New York, N. Y. "Sangamo-Pressley"
- Sangamo-Pressley—see Rossiter, Tyler & McDonnell
- Samson Electric Co. (Radio Division), Canton, Mass. See advertisement, page 161.
- Schwab, Inc., Harold M., 55 Vesey St., New York, N. Y. "Brunswick" See advertisement, page 120.
- Shamrock-Harkness—see Shamrock Mfg. Co.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J. "Shamrock-Harkness"
- Sickles Co., F. W., 142 Union St., Springfield, Mass. See advertisement, page 35.
- Silver-Marshall, 102 S. Wabush Ave., Chicago, Ill. "S-M" See advertisement, page 164.
- Silvey Electric Co., 10 S. Canal St., Dayton, Ohio.
- S-M—see Silver-Marshall.
- Southeastern Radio Corp., Winston-Salem, N. C.
- Spittdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Standard Radio Corp., 61 Jackson St., Worcester, Mass. "Standardyne"
- Standardyne—see Standard Radio Corp.
- Sunbeam Radio Corp., 1834 Broadway, New York, N. Y. "Akracy"
- Super-Reinartz—see Elgin Radio Supply Co.
- Superadio Co., 136 Liberty St., New York, N. Y.
- Superb—see Magnus Electric Co.
- Superior Coil Co., Harwichport, Mass.
- Superunit—see Hianscom, Allan T.
- Sweeney Radio & Electrical Co., Sweeney Bldg., Kansas City, Mo.
- Sypher Mfg. Co., 1524 Fernwood Ave., Toledo, Ohio

SUPER-HETERODYNE KITS RADIO FREQUENCY KIT SETS

Made to order for Dealer or Manufacturer

Radio Frequency Transformers for any type of set. Experimental and Specialty Work. Estimates and Specifications furnished.



KEYSTONE

Radio and Electric Service
6237 Haverford Ave., Philadelphia

- Tanner Radio Co., C. D., 528 W. Washington St., Los Angeles, Cal. "Neutroflex"
- Telephone Maintenance Co., 20 S. Wells St., Chicago, Ill. "Telmaco"
- Telmaco—see Telephone Maintenance Co.
- Telos—see Danziger-Jones, Inc.
- Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Thompson Mfg. Co., R. E., 30 Church St., New York, N. Y.
- Trans-Atlantic Radio Products Corp., 117 E. 24th St., New York, N. Y.
- Tropadyne—see Radio Industries Corp.
- Tuska Co., C. D., Hartford, Conn.
- Ultradyne—see Phenix Radio Corp.
- U-Ni-Dial Radio Co., 35 Greenwood Ave., East Orange, N. J. "McLaughlin"
- Uniradio Mfg. Co., 310 W. Fort St., Detroit, Mich.
- United Radio Corp., 115 Caledonia St., Rochester, N. Y. "Peerless"
- United Scientific Laboratories, Inc., 80 Fourth Ave., New York, N. Y. See advertisement, page 38.
- Un-X-Ld—see Forman & Co.
- Victoreen—see Walker Co.
- Walker Co., George W., 6524 Carnegie Ave., Cleveland, Ohio "Victoreen"
- Walwart Electric Mfg. Co., 308 S. Green St., Chicago, Ill.
- Washburn Burner Corp., Kokomo Dispatch Bldg., Kokomo, Ind.
- Wel-Bilt Mfg. Co., 102 Chambers St., New York, N. Y.
- Welbilt—see Friedlander-Kopple Radio Service
- Wolty & Co., Wm. A., 36 S. State St., Chicago, Ill.
- Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.
- WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

SETS, Phonograph Adapting

- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y.
- Drexel Radio Mfg. Co., 804 E. 43d St., Chicago, Ill.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Nestor Five"
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio
- Marwol Radio Corp., 546 Broadway, New York, N. Y.
- Monarch Radio Corp., 111 W. Monroe St., Chicago, Ill.
- Montro-Adapto—see Montrose Radio Laboratories.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "Montro-Adapto"
- Nestor Five—see Electrical Research Laboratories.
- New York Album & Card Co., 23 Lispenard St., New York, N. Y. "Nyaccoffex"
- Nyaccoffex—see New York Album & Card Co.
- O'Dea, James K., 115 Ellison St., Paterson, N. J.
- Taylor Radio Co., 1218 Chestnut St., Philadelphia, Pa.
- Teletone Corp. of America, 419-53 W. 42d St., New York, N. Y. See advertisement, page 129.
- WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

SETS, Vacuum Tube

- A B C—see Freeport Radio Corp.
- A. C.—see Amplex Instrument Laboratories.
- A-C Electrical Mfg. Co., Dayton, Ohio "Polydyne"
- Acc—see Amerex Electric Corp.
- Acme—see Wesley Radio Corp.
- Acmeffex—see Terlee Electric & Mfg. Co.

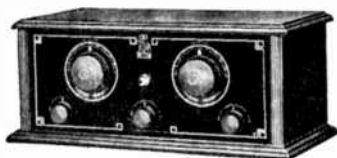


KING COLE

Radio Products

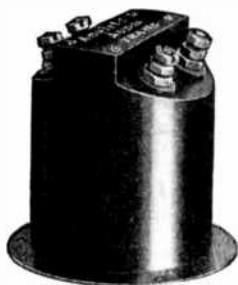
*Insure
Profitable Sales
and
Satisfied Customers*

King Cole
Radio Receiver
List, \$80.00



This four-tube receiver is unexcelled by even the best five and six-tube sets. Plenty of reserve power provides loud speaker reception of all stations. Any style tube may be used. It is very selective, is easily tuned and reproduction is remarkably clear and faithful.

The cabinet is beautifully finished in brown mahogany and the panel is black formica trimmed with gold.



King Cole Transformer
Type F-1. List \$1.00

King Cole Reactance Amplifiers Type F-3 may be used for all stages of audio frequency amplification or in combination with standard transformers. They amplify all frequencies equally, and may be used with all standard tubes.

King Cole Type F-1 audio frequency transformers are especially designed to reproduce all music and speech as perfectly as possible. Overtones are amplified to the same degree as fundamental notes, thus bringing out the melody of the music. The Type F-2 is similar in appearance, but is of standard design and lists at \$3.50.



King Cole Reactance
Amplifier
List \$3.50

We have King Cole Aerial, Busbar
and Magnet Wire

Write for complete information

ANYLITE ELECTRIC COMPANY

Fort Wayne, Indiana

SETS, Vacuum Tube Continued

- ✓Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon." See advertisement, page 144.
- Ad-a-unit—see Auto Indicator Co.
- Adirondack Mountains Service Co., 1582 Inwood Ave., New York, N. Y.
- Adler Mfg. Co., 881 Broadway, New York, N. Y. "Adler-Royal"
- Adler-Royal—see Adler Mfg. Co.
- Advance Electric Co., 1260 W. Second St., Los Angeles, Cal.
- Advance Products Co., 150 Broadway, New York, N. Y. "Upco"
- Advance Radio Research Laboratories, 224 W. 34th St., New York, N. Y.
- Aeolus Corp., 161 Grand St., New York, N. Y.
- Aer-A-Dyne Mfg. Co., 603 Washington St., Utica, N. Y.
- Aero Fone—see Prometheus Electric Corp.
- Aero Radio Co., 155 Congress St., W., Detroit, Mich. "Aerodyne"
- Aerodyne—see Aero Radio Co.
- Aerodyn Co., 1780 Broadway, New York, N. Y.
- Aeroking—see Stewart-Warner Speedometer Cor'n.
- Aeromaster—see Stewart-Warner Speedometer Cor'n.
- Ainsworth Radio Co 306 Main St., Cincinnati, Ohio "Torodyne"
- Airo-Master Corp., 227 W. 17th St., New York, N. Y.
- Air-Ola Radio Co., 615 16th St., Huntington, W. Va., "Just-Rite"
- Airtone—see Radio Auto Distributors
- Airtune—see Wheelock Mfg. Co.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Akradyne—see Sunbeam Radio Corp.
- Aladdin Mfg. Co., 18th & Hackley Sts., Muncie, Ind. "Aladyne"
- Aladyne—see Aladdin Mfg. Co.
- All-Amac—see All-American Radio Co.
- All-American Radio Corp., 4221 W. Belmont Ave., Chicago, Ill. "All-Amac"
- Amaco—see American Apparatus Co.
- ✓Amber Mfg. Corp., 599 Eleventh Ave., New York, N. Y. "Mary-O-Dyne" See advertisement, page 120.
- Ambler-Holman Co., 1178 Broadway, New York, N. Y.
- Ambu—see American Bureau of Engineering
- Amerex Electric Corp., 154 Nassau St., New York, N. Y.
- American Apparatus Co., 30 N. 19th St., Richmond, Ind. "Amaco"
- American Bureau of Engineering, 2632 Prairie Ave., Chicago, Ill. "Ambu"

**SETS, Vacuum Tube
Continued**

- American Etherphone Corp., 39 W. Milwaukee Ave., Detroit, Mich. "Etherphone"
- American Interstate Radio Service, 183 Greenwich St., New York, N. Y., "Rambler Six"
- American Radio Mfg. Co., 1416 McGee St., Kansas City, Mo.
- American Radio & Research Corp., 205 College Ave., Medford Hillside, Mass. "Amrad" "Inductrole"
- American Specialty Co., 168 Holland Ave., Bridgeport, Conn. "Electrola"
- American Wireless Corp., 54 W. 23d St., New York, N. Y.
- Amplex Instrument Laboratories, 88 W. Broadway, New York, N. Y. "A. C."
- Amrad—see American Radio & Research Co.
- Amsco Products, Inc., 416 Broome St., New York, N. Y. "Melco-Supreme"
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada Neutrola"
- Andrews Radio Co., 2132 S. Michigan Ave., Chicago, Ill. "Deresnadyne"
- Angelus—see Radio Service Co.
- Antunez & O'Donnell, 632 N. Louise St., Glendale, Cal.
- Anyllite Electric Co., Fort Wayne, Ind. "King Cole" See advertisement, page 122.
- Apex Electric Mfg. Co., 1410 W. 59th St., Chicago, Ill. "Microdyne"
- Apollo-Dyne—see Triangle Electric Co.
- Aragain—see Autometal Corp.
- Arbophone—see Machine Specialty Co.
- Argus Radio Corp., 25 W. 18th St., New York, N. Y. "Power"
- Arionola—see Dimmock-Borgart Radio, Inc.
- Aristocrat—see Orator Radio Corp.
- Arlington—see Wells Mfg. Co.
- Armley Radio Corp., 68 Fleet St., Jersey City, N. J. "Karryadio"
- Arrow Radio Co., 60 Warren St., New York, N. Y.
- Astral Radio Corp., 1237 N. Broad St., Philadelphia, Pa.
- Atlas-Colonial Corp., East Ave. & Tenth St., Long Island City, N. Y. "Colonial Atlas"
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Audio-Tone Radio Co., 2831 Middletown Rd. (Bronx), New York, N. Y.
- Audiola Radio Co., 430 S. Green St., Chicago, Ill.
- Aurora, Inc., Aurora, Ill.
- Auto Indicator Co., 209 Ottawa Ave., N. W., Grand Rapids, Mich. "Ad-a-unit"





Will actually do what others claim

For selectivity, easy tuning, clarity and volume the New Blue Bird Set cannot be equalled by any.

In performance and design, it surpasses even its higher priced rivals, giving the public the benefit of low price and an exceptionally efficient receiver.

A One-Tube Set in a Genuine Cedar or Mahogany Finished Cabinet.

\$13.50

DISTRIBUTORS—JOBBER—DEALERS SOLICITED

Manufactured by
AUTOMATIC RADIO MFG. CO., INC.
28 Cross Street, Boston, Mass.



EAGLE BALANCED NEUTRODYNE RECEIVER



The Popular 5-Tube Circuit

The New Model B Eagle Balanced Neutrodyne Receiver is beautifully designed and built to a standard. Distinctive features will be found in this Receiver, never before offered in a radio set. Mechanically and electrically we believe it to be the finest set in America. Handled only by reputable dealers. Write for our selling plan.

EAGLE RADIO CO., Boyden Place, Newark, N. J.

Licensed by Independent Radio Mfgs. under Hazeltine Patents 1,458,960 Inc., March 27, 1923, and 1,489,228, April 4, 1924. Other Patents Pending.

a 5 tube Neutrodyne for \$100!



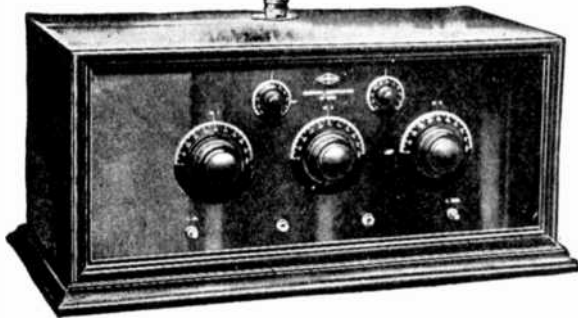
Same Set
Without
Loud Speaker,
\$92.50



Compartment
in cabinet
holds "B" bat-
teries.



Also manufactur-
ers of Murdock
Multiple Plugs
and Murdock
Head Phones.



The new Murdock 5-tube Neutrodyne with "built-in" speaker, in a fine mahogany cabinet.

This splendid instrument embodies the features of clarity, range and volume. It is backed by 20 years' experience in making fine radio products.

MURDOCK

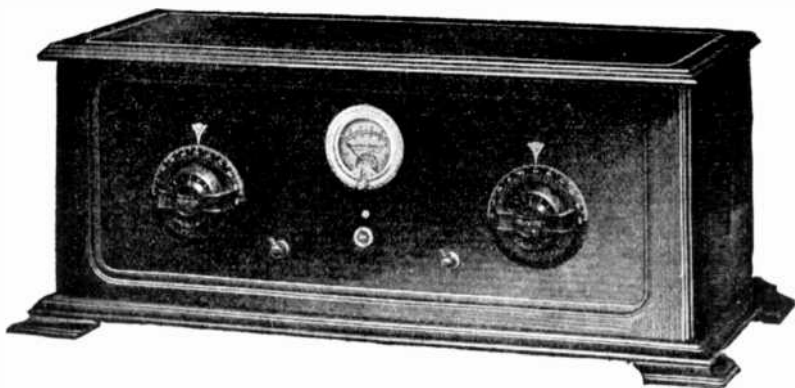
WM. J. MURDOCK COMPANY

430 Washington Ave., Chelsea, Mass.

Sales Offices: New York, Chicago, San Francisco, Washington, D. C.

SETS, Vacuum Tube Continued

- Autometal Corp., 311 Falls St., Niagara Falls, N. Y.
"Aragain"
Auto Metal Products Co., 432 E. 71st St., New York, N. Y.
Automatic Radio Mfg. Co., 28 Cross St., Boston, Mass.
"Blue Bird" See advertisement, page 123.
Aztec—see California Radio Corp.
B-Metal Refining Co. — see Star Crystal Co.
Baby Grande—see Marwol Radio Corp.
Baltimore Hub-Wheel & Mfg. Co., 222 N. Gay St., Baltimore, Md. "Hubco Baby Grand" "Hubco Super-Five"
Barnett-Lloyd Co., 17 N. La Salle St., Chicago, Ill. "Hi-Power"
Bat-Ry-Les — see Batteryless Radio Corp.
Batteryless Radio Corp., 1457 Broadway, New York, N. Y. "No-Bat-Ry" "Bat-Ry-Les"
Beacon Radio Mfg. Co., 100 S. Third St., Brooklyn, N. Y. "Trinity"
Bear Cat—see Wells Radio Mfg. Co.
Beaver Electric Corp., 51 Lispenard St., New York, N. Y. "Beavertone"
Beavertone — see Beaver Electric Corp.
Bechard Radio Laboratories, 457 W. 11th St., Fond du Lac, Wis. "Master Dyne"
Belle-Claire—see R. B. Radio Co.
Benler Radio Corp., 148 Duane St., New York, N. Y. "Skylark"
Benson Engineering Co., 2125 N. Halsted St., Chicago, Ill. "Newway"
Berkland Electric Co., 5466 Lake Park Ave., Chicago, Ill.
Berlo—see Ready Radio Co.
Berstan Radio Products Co., Springfield, Mass. "Mysto"
Bestone—see Hyman & Co.
Betta-Tone Radio Co., Underwood Bldg., San Francisco, Cal.
Better Radio Co., Muncie, Ind. "Melody"
Biddinger, Chas. A., 17 Odell Ave., Yonkers, N. Y.
Big Three Radio Corp., 16 Hudson St., New York, N. Y. "Tri-O-Dyne"
Biltmore Radio Co., 94 Green St., (Jamaica Plain), Boston, Mass.
Birco — see Birnbach Radio Co.
Bird Cage—see Hansen Storage Co.
Birnbach Radio Co., 370 Seventh Ave., New York, N. Y. "Birco."
Blackburn Mfg. Co., 330 Encino (Alamo Heights), San Antonio, Tex. "Crimp-O-Dyne"
Blair Radio Laboratories, 368 Sixth Ave., New York, N. Y.
Blizotis Radio Co., 308 Halsey St., Newark, N. J.
Blue Bird — see Automatic Radio Mfg. Co.
Blue Seal Mfg. Co., 1406 S. Michigan Blvd., Chicago, Ill. "Cincodyne"



“There is Absolutely No B-Battery Current in the Speaker Circuit”

In the Jewett Receiver, original and exclusive means have developed clarity of reception to a new degree of perfection.

The most striking advance over conventional design is in the Jewett Audio Circuit which, by use of Jewett Clarifiers, shunts all B-Battery current from the speaker circuit, thus preventing distortion, eliminating self-made noises, and confining static to that which prevails on the exact wave length to which the receiver is tuned.

This elimination of noise gives unique character and volume to Jewett reception from nearby or faraway stations.

Improved five-tube, induction-tuned R. F. circuit operating from indoor or outdoor aerial—two-dial tuning with Jewett Micro-Dial equipment—special Jewett A and B meter—pilot light uses standard flash light bulb and operates on current which would otherwise be dissipated by rheostat—two point volume control—tube compensator permits maximum performance on wet or dry cell tubes—cabinet finest mahogany in new Clairmount finish—panel special X-Ray grade Bakelite mahoganized to match cabinet—hardware in gold—in appearance freely pronounced the most richly handsome receiver commercially built. Over all dimensions 28-13 16 x 13-5/8 x 11-3 8 inches. Shipped in double air-cushion cartons, with finish protected by oiled paper envelopes. Price, \$140; west of the Rockies and in Canada, slightly more.

JEWETT RADIO & PHONOGRAPH COMPANY

Operating Radio Broadcasting Station W J R

5686 Telegraph Road

Pontiac, Michigan

JEWETT



The ELKAY Super-Selector \$80

The NEW 5 Tube Triumph!

Compares favorably in appearance, selectivity, volume, distance and tone quality with sets at twice its price. Has one stage R. F. detector, one stage of transformer coupled amplification, two resistance coupled amplifiers. Only two dials. A radio frequency choke permits same smooth operation on low or high wave lengths. Control over selectivity, a distinct departure.—an ELKAY invention.

Prices On Sets and Kits

	List
Type 4-S Four Tube Set.....	\$70.00
Type 4-K Four Tube Kit.....	60.00
Type 5-S Five Tube Set, with resistance coupled amplification.....	80.00
Type 5-K Five Tube Kit.....	65.00
Blue Prints One Dollar	

Write for Distributor Proposition

THE LANGBEIN-KAUFMAN RADIO CO.
511 Chapel St., Dept. O., New Haven, Conn.

An LK Product



The DominAire

TRADE MARK

The "No-Battery" Radio Receiver With Unlimited Possibilities

It operates without batteries direct from house current (either A.C. or D.C.) and is all self-contained in a beautiful cabinet. No separate units.

It is sold complete from the factory with tubes selected and matched for perfect reception.

It receives on wave lengths as low as 150 meters.

*Backed by a Liberal Merchandising Plan
And an Unusual Advertising Campaign*

The DominAire Tested Merchandising Plan protects authorized dealers against destructive competition, and untimely price reductions.

The DominAire System of Registered Ownership protects your customers after the sale is made, and builds good will for your store.

With an equally unusual advertising campaign, the possibilities of the DominAire have no limit. This is a real opportunity—a great opportunity—for you to share in the profits and distribution of this phenomenal radio receiver. Desirable retailers of good standing in their communities are invited to write for further details to

MacLAREN MANUFACTURING CO.

26-28 Park Pl.
New York, N. Y.

When writing advertisers, please mention THE RADIO TRADE DIRECTORY

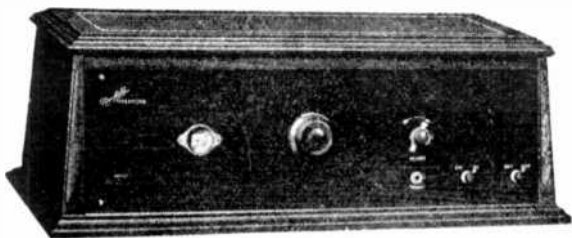
SETS, Vacuum Tube Continued

- Boissier Radio Corp., 81 Tenth St., Long Island City, N. Y.
- Boissonnault Co., G., 865 Canal Pl., New York, N. Y. "Whitestone"
- Bond Electric Mfg. Co., 74 Greene St., New York, N. Y.
- Boonton Radio Corp., 724 Fanny Rd., Boonton, N. J.
- Bosserman Radio Laboratories, 1803 Post St., San Francisco, Cal.
- Bosworth Electric Mfg. Co., Main & Lexington Aves., (Norwood) Cincinnati, Ohio
- Brandeis Electric Mfg. Corp., 1841 Broadway, New York, N. Y.
- Breco — see Bronx Radio Equipment Co.
- Brenard Mfg. Co., Iowa City, Iowa. "Heraldrye De Luxe"
- Brilliantone Radio Products, 324 W. 42d St., New York, N. Y. "Naturelle"
- Brockway Laboratories Co., Toledo Factories Bldg., Toledo, Ohio
- Bronx Radio Equipment Co., 687 Courtland Ave., New York, N. Y. "Breco"
- Brown Radio Mfg. Co., 675 Wyoming Ave., Kingstons, Pa. "Thoroboro"
- Brown Teletone—see Standard Radio & Electric Co.
- Bryant Radio Tube Exchange, 453 Washington St., Boston, Mass.
- Buckeye Electric Manufacturers, South Silver Leaf St., Gladwin, Mich.
- Buckwalter Radio Corp., 2632 Prairie Ave., Chicago, Ill. "Supertone"
- Button, Paul H., 6239 Dix Ave., Detroit, Mich. "Duodyne"
- B. W. Battery & Radio Corp., 824 Ninth Ave., New York, N. Y.
- Caladyne Radio Co., New Chronicle Bldg., San Francisco, Cal.
- Californian Radio Co., Pomona, Cal. "Consolette"
- California Radio Corp., 120 Finger Ave., Redwood City, Cal. "Aztec"
- Cardinola — see Continental Corp.
- Carloyd Electric & Radio Co., Plainfield, N. J. "Malone-Lemmon"
- Carnival—see Kardon Products Co.
- Carol-Dyne — see South-eastern Radio Corp.
- Case Toy & Sales Co., 7250 Kelley St., (Homewood Sta.) Pittsburgh, Pa.
- Celeste—see Keller, Norman B.
- Central Station Equipment Co., 114 Liberty St., New York, N. Y.
- Champion Five — see Electrical Supply & Radio Corp.
- Champion Radio Products Co., 1400 E. 47th St., Chicago, Ill.
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass. "Regenodyne"
- Cincodyne—see Blue Seal Mfg. Co.
- Circulex Radio Co., Wulstein Bldg., Indianapolis, Ind.

**SETS, Vacuum Tube
Continued**

- Clapp-Eastham Co., 139 Main St., Cambridge, Mass. "Radak"
- Claradyne—see Crouch-Wilson & Co.
- Claratone—see Equitable Radio Corp.
- Clearbrook — see Helges Brothers
- Clearfield—see Sherman Radio Mfg. Corp.
- Clearstone Radio Co., 2427 Gilbert Ave., Cincinnati, Ohio "Goldcrest Clear-O-Dyne"
- Cleveland Products Co., 714 Huron Rd., Cleveland, Ohio
- Climax Airphone Co., Culver City, Cal.
- Cole Battery Sales Corp., 2435 Indiana Ave., Chicago, Ill.
- Cole Co., Harrison, Grove Street Sta., East Orange, N. J. "Regal"
- Colonial Atlas — see Atlas-Colonial Corp.
- Combidyne — see Wolverine Radio Co.
- Conce dyne—see Jones Electric & Radio Mfg. Co.
- Concert Grande—see Concert Radiophone Co.
- Concert Radiophone Co., 1938 Euclid Ave., Cleveland, Ohio "Concert Grande"
- Concertola Radio Shop, 15 Tompkins St., New York, N. Y.
- Consolette—see Californian Radio Co.
- Consomello Grand—see Mazda Radio Mfg. Co.
- Continental Corp., 555 Century Bldg., Indianapolis, Ind. "Cardinola"
- Continental Radio & Mfg. Co., 211 N. Third St., W., Newton, Iowa.
- Corcoran Lamp Co., Thos. J., 4890 Spring Grove Ave., Cincinnati, Ohio.
- Cosmopolitan Phusiformer Corp., 15 W. 18th St., New York, N. Y.
- Country Gentlemen—see National Radio Mfg. Co.
- Crescent Radio Mfg. Co., 1026 Second Ave. S., Minneapolis, Minn. "Crescentyne"
- Crescent Radio Mfg. Co., 219 Greenwich St., New York, N. Y.
- Crescentyne — see Crescent Radio Mfg. Co.
- Crimp-O-Dyne—see Blackburn Mfg. Co.
- Crosley Radio Corp., Cole-rain & Sassafras Sts., Cincinnati, Ohio.
- Crouch-Wilson & Co., 28 Broad St., Oneonta, N. Y. "Claradyne"
- Culver-Stearns Mfg. Co., 53 Grafton St., Worcester, Mass. "Lloyd C. Greene"
- Curkold Corp., 100 Charles St., New York, N. Y.
- Curtis-Leger Fixture Co., 235 W. Jackson Blvd., Chicago, Ill.
- C W R—see Richards & Co.
- Davenport - Hickory Corp., 327 S. La Salle St., Chicago, Ill. "Reco"
- Davis Radio Laboratory, Fenton, Mich.
- Day-Fan—see Dayton Fan & Motor Co.
- Dayton Fan & Motor Co., Dayton, Ohio. "Day-Fan"

The Single Dial "Six" Pfanstiehl Overtone Receiver



LAST year Pfanstiehl perfected the overtone receiver and thus gave to radio a tone quality never attained before in long distance reception.

This year he adds a highly efficient single dial control. Rendered possible by the same mastery of the radio stream between circuits which produced the overtone receiver. There is no stray inter circuit coupling. The radio stream is even. The circuits are electrically correct. Hence they can be tuned with a single dial. A new triple unit condenser is employed—an entirely new development.

1926 MODELS

Single dial six tube overtone receiver, \$155.00. Single dial six tube with built-in speaker, \$200.00.
Two dial five tube receiver, \$85.00. Three dial overtone five tube receiver, \$110.00.
Two dial five tube receiver, \$85.00. Three dial overtone five tube receiver, \$140.00.
In console. Complete assembly, \$450.00.

Catalogue on request. For exclusive dealer franchise, address PFANSTIEHL, RADIO CO., Dept. P, 11 S. La Salle Street, CHICAGO

Pfanstiehl
Overtone Receiver

RICHARDSON
5

**A POWERFUL
5 TUBE SET**

*Equalized on
ALL Wave Lengths*

**It's taking
New York
By Storm**

\$ 65

RICHARDSON RADIC, INC.

128 University Place
New York, N. Y.

Telephone: Stuyvesant 7265

This is the new Model "B"

A five-tube radio frequency receiver

LIST PRICE

\$47⁵⁰

without accessories



DESCRIPTION

Light colored Mahogany Cabinet ebony edges, three-ply veneer walnut front panel 7 1/2 x 19-in.

The first essential to big sales is a price that enables the biggest number of people to buy, and performance which will give satisfaction to the eventual consumer.

The "Distantone Five," Model A and Model B, at the remarkably low price of \$37.50 and \$47.50, are without question the biggest radio value out of the entire field.

Yet price is not the only dominant factor behind Distantone's vast sales.

Distributors wanted in some territories

DISTANTONE RADIOS, Inc.
LYNBROOK, LONG ISLAND, N. Y.

Distantone *Five*

Five and Six Tube Sets

at popular prices

Direct from manufacturer to dealer

Write for details.

Franklin Radio Company

430 South Green Street, Chicago, Ill.



Made to meet a popular demand

This new Recepton, Straight Line Five, embodies all the latest refinements and theories of the best radio engineers of the country. It is enclosed in a solid mahogany cabinet, hand rubbed and with Bakelite panel. It logs all stations easily and brings in distance with remarkable volume.

List price for set illustrated is only \$60. Unusual quality for the price. Write us for details.

RECEPTION RADIO CORPORATION
S. W. Cor. 17th and Woods Sts., Philadelphia, Pa.

SETS, Vacuum Tube Continued

De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J. "Radiophone"

Deitrickson Radio Co., 121 S. Third St., St. Joseph, Mo.

De Luxe—see Luxem & Davis Co.

De Luxe Five—see Pennsylvania Wireless Mfg. Co.

Derby Wireless Co., Derby, Conn.

Deresnadyne—see Andrews Radio Co.

De Witt-La France Co., 54 Washburn Ave., Cambridge, Mass. "Superadio"

Dexter Metal Mfg Co., 10 S. 18th St., Philadelphia, Pa.

Diamadyne — see Norbert Radio Co.

Dimmock-Bogart Radio Inc., 137th St. & Third Ave., New York, N. Y. "Arionola"

✓ Distantone Radios, Inc., Lynbrook, L. I., N. Y. See advertisement, page 128.

Doleres De Luxe—see Goerdes Co.

DominAire—see MacLaren Mfg. Co.

Doron Bros., Electric Co., 325 N. B St., Hamilton, Ohio. "Equidyne" "Equidoron"

✓ Dray Radio Laboratory, 6 E. Lake St., Chicago, Ill. See advertisement, page 84.

D-R-C Radio Co., 329 S. La Salle St., Chicago, Ill.

Drexel Radio Mfg. Co., 801 E. 43d St., Chicago, Ill.

Duck Co., William B., 711 Adams St., Toledo, Ohio

Dumke Radio Co., 1618 Howard St., Chicago, Ill. "Du-Ra-Co"

Dunn Mfg. Co., Clarinda, Iowa.

Duodyne—see Button, Paul H.

Duodyne—see Guarantee Radio Co.

Du-Ra-Co—see Dumke Radio Co.

Durrant Radio, Ltd., 52 Vanderbilt Ave., New York, N. Y. "R-D-X"

D-X Instrument Co., Union Trust Bldg., Harrisburg, Pa.

Dymac—see Electrical Products Mfg. Co.

✓ Eagle Radio Co., Boyden Pl., Newark, N. J. "Eaglet" See advertisement, page 123.

Eaglet—see Eagle Radio Co.

Echo — see Waugh Electric Mfg. Co.

Echophone Radio, Inc., 1120 N. Ashland Ave., Chicago, Ill.

Ecoadyne Radio Co., Irwin, Pa.

Edison Radio Corp., 1429 S. Michigan Ave., Chicago, Ill.

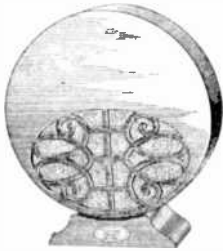
Eisenmann Magneto Corp., 165 Broadway, New York, N. Y.

Electradyne—see Foreign & Domestic Commodities, Inc.

TELETONE CABINET SPEAKER

"Built Like a Violin"

An Acoustical Achievement
and an Artistic Triumph



Teletone Cabinet Speaker pleases the ear with its sound, delights the eye with its appearance, and pleases the purse with its price. Beautifully finished in Walnut it stands 15 inches high and is only 3 1/4 inches deep. A handsome piece of furniture, fits on top of any receiving set, or any 3 1/4 inch space.

\$3250

Ready to Listen

TELETONE CORPORATION
of AMERICA

449 451 N. 47th St., Chicago, Ill.

Stewart Warner RADIO

THE complete ensemble of matched radio units, all made by Stewart-Warner, including Stewart-Warner Radio Instruments [U. S. Navy Circuit], a model to suit every need, the Stewart-Warner Reproducer, Stewart-Warner Radio Tubes, Batteries, Aerial and Ground Equipment.

Franchises carrying 100 per cent sales protection for the Stewart-Warner Radio Dealer are now being assigned to those who can qualify.

Write at once to

RADIO DEPARTMENT
Stewart-Warner Speedometer Corp.
1834 Diversey Pkwy., Chicago, U. S. A.

SETS, Vacuum Tube Continued

- Electric Service Co., Morris, Ill. "Escodyne"
Electric Service Shop, Bradford, Ill. "Simpli-Dyne"
Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
Electrical Research & Mfg. Co., Waterloo, Iowa. "Superlordyne" "Superiorflex"
Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla (Circloid Five)"
Electrical Supply & Radio Corp., 17 Warren St., New York, N. Y. "Champion Five"
Electrola—see American Specialty Co.
Elite Radio Stores, 55 Hillman St., New Bedford, Mass. "Tzigan"
Elkay—see Langbein-Kaufman Radio Co.
Emerson Radio Corp., 1416 Sixth Ave., New York, N. Y.
Emmons-Premier—see Illinois Radio Appliance Co.
Empire—see Grimes, Inc.
Empire Phono-Parts Co., 2261 E. 14th St., Cleveland, Ohio
Equidoron—see Doron Bros. Electric Co.
Equidyne—see Doron Bros. Electric Co.
Equitable Radio Corp., Hughesville, Pa. "Clara-tone"
Erla Circloid Five—see Electrical Research Laboratories.
Escodyne—see Electric Service Co.
Essex Mfg. Co., 117 Mulberry St., Newark, N. J.
Etherphone—see American Etherphone Corp.
Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "Supreme"
Everlast Radio Products Co., 27 Park Pl., New York, N. Y. "Frank"
Exhitone Corp., Boonton, N. J.
Fada Neutrola—see Andrea, F. A. D.
Fairview Electric Shop, 35 Fairview Ave., Binghamton, N. Y.
Faraday Corp., 177 Church St., New Haven, Conn.
Faraway Radio Co., 659 W. Third St., Cincinnati, Ohio
Farmer's Wireless Telephone Co., 157 Chambers St., New York, N. Y.
Farrand Mfg. Co., 23 S. Sixth St., Newark, N. J. "Godley"
Fear, Ralph G., 809 N. Citrus Ave., Hollywood, Cal. "Fearless Simplex"
Fearless Simplex—see Fear, Ralph G.
Federal Telegraph Co., (Merchandising Division), Woolworth Bldg., New York, N. Y. "Kolster"
Federal Telephone Mfg. Corp., Buffalo, N. Y.
Ferguson, J. B., 41 E. 42d St., New York, N. Y.
Ferro Equipment Co., 221 E. 26th St., Chicago, Ill.
Flex O Dyne Co., 1674 Broadway, New York, N. Y.
Foreign & Domestic Commodities, Inc., 121 N. Eighth St., Philadelphia, Pa. "Electradync"
Frank—see Everlast Radio Products Co.
Franklin—see Freshman Co.
Franklin Radio Co., 430 S. Green St., Chicago, Ill. See advertisement, page 128.
Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
Freeport Radio Corp., 11 1/2 W. Stephenson St., Freeport, Ill. "ABC"
Freshman Co., Chas., 240 W. 40th St., New York, N. Y. "Franklin"
Frontinac—see Radio Service.
Fulton Electric Mfg. Co., Toledo Factories Bldg., Toledo, Ohio
Gardenhour, A. J., Arcade Bldg., Waynesboro, Pa. "Gar-Shear-Dyne"
Gardner Laboratories, 511 E. Ninth St., Los Angeles, Cal.
Garod Corp., 124 Adams St., Newark, N. J.
Gar-Shear-Dyne—see Gardenhour, A. J.
Gearhart - Schlueter Radio Corp., Fresno, Cal.
General Auto Works, 13 W. Eager St., Baltimore, Md.
General Electric Co., 1 River Rd., Schenectady, N. Y.
General Instrument Corp., 423 Broome St., New York, N. Y. "Six Seventy-One"
Gerson, Louis Jay, 23 Union Sq. W., New York, N. Y.

When writing advertisers, please mention THE RADIO TRADE DIRECTORY

SETS, Vacuum Tube Continued

- Giblin—see Standard Radio & Electric Co.
- Gibson-Sears Radio Corp., 48 W. Broadway, New York, N. Y. "Sterling Five"
- Giffillan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Globe Electric Co., 14 Keeffe Ave., Milwaukee, Wis.
- Godley—see Farrand Mfg. Co.
- Goerdes Co., Fred M., 81 Mt. Prospect Ave., Newark, N. J. "Doleres De Luxe"
- Gold Star—see Kodel Radio Corp.
- Goldcrest Clear-O-Dyne—see Cleartone Radio Co.
- Golden-Leutz, Inc., 476 Broadway, New York, N. Y. "Phlo-6" "Plodyne"
- Golden West Radio Co., 7704 Santa Monica Blvd., Hollywood, Cal. "Padre, Sr." "Padre, Jr."
- Goldfinch Radio Corp., 624 S. Michigan Ave., Chicago, Ill. "Nightingale"
- Gordon Radio & Electric Mfg. Co., 1610 Fourth Ave., Seattle, Wash.
- Gossard Radio & Wire Co., Belvidere, Ill.
- Goulding Mfg. Co., 405 Fourth St., Milwaukee, Wis.
- Great Western Radio Co., 1118 Harrison St., San Francisco, Cal. "Radyne"
- Grebe & Co., A. H., 109 W. 57th St., New York, N. Y.
- Green Seal—see Air-Way Electric Appliance Corp.
- Greenwich Radio Co., 185 Greenwich St., New York, N. Y.
- Grimes, Inc., David, 1571 Broadway, New York, N. Y. "Lincoln" "Empire"
- Grossman Mfg. Co., 5 S. Main St., Carrollton, Mo.
- Guarantee Radio Co., 1314 South Hill St., Los Angeles, Cal. "Duodyne"
- Haji Co., 739 Boylston St., Boston, Mass.
- Hall Radio Corp., Syracuse, N. Y. "Melodyne"
- Haldorson Co., 1772 Wilson Ave., Chicago, Ill.
- Hallock & Watson Radio Service, 192 Park St., Portland, Ore. "Halawat"
- Halawat—see Hallock & Watson Radio Service
- Hansen Storage Co., 130 Jefferson St., Milwaukee, Wis. "Bird Cage"
- Harmon & Sons Co., H. W., Grove City, Pa. "Harmonson"
- Harmonson—see Harmon & Sons Co.
- Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio.
- Hays Products Co., 1301 Fulton St., Grand Haven, Mich. "Octophase"
- Hect Radio Industries, 210 W. 54th St., New York, N. Y. "RaDy-namic"
- Heiges Brothers, Sharon, Pa. "Clearbrook"
- Hemco—see Richards & Co.
- Herald Radio Co., 366 Cathedral Parkway, New York, N. Y.
- Heraldyne De Luxe—see Brenard Mfg. Co.
- Herzog Radio Corp., 722 Atlantic Ave., Brooklyn, N. Y. Hilltop Six—see Hitchcock-Hill Co.
- Hi-Power—see Barnett-Lloyd Co.
- Hitchcock-Hill Co., 38 W. Kinzie St., Chicago, Ill. "Hilltop Six"
- Hoban Receiver Holder Corp., 516 W. 41st St., New York, N. Y.
- Hollywood—see Turner Radio Corp.
- Holmes & Co., F. A., Waterloo, Iowa.
- Howard Mfg. Co., 469 E. Ohio St., Chicago, Ill.
- Hubco Baby Grand—see Baltimore Hub-Wheel & Mfg. Co.
- Hubco Super-Five—see Baltimore Hub-Wheel & Mfg. Co.
- Hudd Co., 52 Warren St., New York, N. Y.
- Hudson Terminal Radio & Electric Co., 30 Church St., New York, N. Y.
- Huntington Radio, 1608 Maple Ave., Evanston, Ill.
- Hynan & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- Hyperdyne—see Indiana Mfg. & Electric Co.
- I-C—see Interchange Co.
- Illinois Radio Appliance Co., 1426 E. 70th St., Chicago, Ill. "Emmons-Premier"
- Illinois Radio Engineering Co., 3508 W. 26th St., Chicago, Ill.
- Imperial Electrical Co., Union City, Ind.
- Incandescent Supply Co., 468 W. Broadway, New York, N. Y. "Newlands"
- Independent Radio Laboratories, 7015 Worley Ave., Cleveland, Ohio.
- Indiana Mfg. & Electric Co., 30th & Adams Sts., Marion, Ind. "Hyperdyne"
- Inductrole—see American Radio & Research Corp.
- Industrial Radio Service, Newton & Rust Aves., Saginaw, Mich. "Ultra-Marvel"
- Interchange Co., 24 Stone St., New York, N. Y. "I-C"
- Inter-Continental—see Robbins Radio Co.
- International Babydyne—see Kenmar Radio Corp.
- Inwood Radio Corp., 583 W. 207th St., (Inwood Sta.), New York, N. Y.
- Ion Radio Corp., 5 Hudson St., New York, N. Y.
- Irving Radio Corp., 141 E. Broad St., Columbus, Ohio
- Isler Radio Co., Ray, 1021 Park Ave., Rochester, N. Y.
- Jewett Radio & Phonograph Co., 5686 Telegraph Rd., Pontiac, Mich. Cataloged on page 125.
- Jolley Radio Co., 297 Sixth Ave., New York, N. Y.
- Jones Agencies, Ed., 640 Natoma St., San Francisco, Cal. (Sole Distributors for Radiograph Mfg. Co., San Francisco, Cal.)
- Jones Electric & Radio Mfg. Co., 419 N. Eutaw St., Baltimore, Md. "Concerdyne"
- Jones Radio Co., 384 Monroe St., Brooklyn, N. Y. "Harmonic"
- ✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- Just-Rite—see Air-Ola Radio Co.
- Kanawha Radio & Mfg. Co., 111 Charleston St., Charlestown, W. Va.
- Kardon Products Co., 451 Greenwich St., New York, N. Y. "Kompentrol" "Carnival"
- Karryadio—see Arnley Radio Corp.
- Kehler Radio Laboratories, 901 West First St., Abilene, Kans. "Tranadyne"
- Keller, Norman B., 73 North Fair Oaks, Pasadena, Cal. "Celeste"
- ✓ Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130 A.
- Kenmar Radio Corp., Sullivan Bldg., Danvers, Mass. "International Babydyne"
- Kennedy Co.—see Kennedy Corp.
- Kennedy Corp., Colin B., 2017 Locust St., St. Louis, Mo. (Sole Selling Agents for Colin B. Kennedy Co., St. Louis, Mo.) "Royal Sixteen"
- Kent—see Klitzen Radio Mfg. Co.
- Agents for Colin B. Kennedy Co., St. Louis, Mo.)
- Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.
- King Cole—see Anylite Electric Co.
- King-Hinners—see King Quality Products, Inc.
- King Quality Products, Inc., Rano St., Buffalo, N. Y. "King-Hinners"
- King's Radio Sales Co., 1166 N. Kingshighway, St. Louis, Mo.
- Kirk Recreation—see Van Nuys Electric Co.
- Klitzan Radio Mfg. Co., 21 Ottawa St., Grand Rapids, Mich. "Wolverine" "Kent"
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Gold-Star"
- Kolster—see Federal Telegraph Co.
- Kompentrol—see Kardon Products Co.
- Kor-Rad Co., 151 E. 58th St., New York, N. Y. "Lafayette"
- Lafayette—see Kor-Rad Co.
- Lafayette—see Mississippi Radio Co.
- Lakeside Supply Co., 73 W. Van Buren St., Chicago, Ill. "Lascodyne" "Microdyne"
- Lamb Co., F. Jos., 1938 Franklin St., Detroit, Mich.
- ✓ Langbein-Kaufman Radio Co., Dept. O, 511 Chapel St., New Haven, Conn. "Elkay" See advertisement, page 126.
- Lark—see Mayo Radio Corp.
- Larkin Co., Buffalo, N. Y.
- Lasco—see Los Angeles Sales Co.
- Lascodyne—see Lakeside Supply Co.
- Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"

Radio Manufacturers

"Eliminate the waste in radio trade coverage and advertising. Give us *one* magazine that will reach radio dealers and jobbers in no matter what trade they may be located. Give us a magazine that will reach these radio merchants *without costly waste circulation.*"

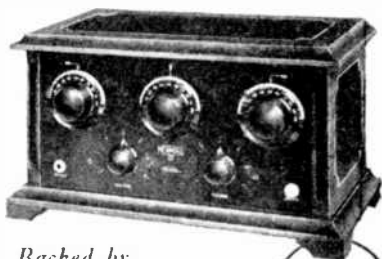
"Radio Retailing" is answer to this need—the business magazine of the radio industry, reaching the entire field.



Complete coverage without waste

Compare! KENMAN 5 Model 1926

Since 1913, twelve years, we have been manufacturing the finest grades of radio apparatus. This is the reason why you, as a discriminating radio buyer, should prefer the Kenman 5 Receiver.



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National
Advertising
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\$29.75
*A little buys
a lot*

FEATURES OF THE KENMAN RECEIVER

Genuine Westinghouse Bakelite throughout, synchronized low loss condensers, calibrated transformers, and other parts in keeping with the high standard we have set. The Cabinet, 16 1/2 in., is a work of art. Not alone a radio cabinet but a beautiful piece of furniture, two tone mahogany finish equipped with brass hardware. We have done away with the bothersome binding post, all outside connections and loud speaker hookup are made by clips, and installation is a matter of seconds. Another novel feature is the A—, B— and ground all on one connection, doing away with howls, squeals and distortion. Rheostats control voltage and volume, also filament control jack for phone use.

Dealers Needed to
Distribute Sets
Already Sold

We have on hand many customer orders for which dealers will be required for distribution. Write for complete details and terms.

KENMAN ELECTRIC CO.
Incorporated
296 Broadway, New York, N. Y.
Radio Manufacturers Since 1913

SETS, Vacuum Tube

Continued

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Lemco — see Lee Electric & Mfg. Co.
Lenford, Inc., 403 W. 27th St., New York, N. Y.
Lester's Radio Shoppe, 140 S. Spring St., Los Angeles, Cal.
Liberty Radio Mfg. Co., Kansas City, Mo. "Supreme"
✓ Liberty Transformer Co., 123 N. Sangamon St., Chicago, Ill. See advertisement, page 39.
Lincoln — see Grimes, Inc.
Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.
Little Giant — see Q. T. Radio Products Co.
Lloyd C. Greene — see Culver-Stearns Mfg. Co.
Longoria — see Sterling Electrical Corp.
Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
Los Angeles Sales Co., 1211 W. Sixth St., Los Angeles, Cal. "Lasco"
Luxem & Davis Co., 6229 Broadway, Chicago, Ill. "De Luxe"
Lytton, Inc., 14 E. Jackson Blvd., Chicago, Ill. "Wav-O-Dyne"
Macadyne — see Radio Paradise
Machine Specialty Co., Wildt St., Ann Arbor, Mich. "Arborphone"
✓ Mack Co., 1940 W. Delancey St., Philadelphia, Pa. "Sincroflex" See advertisement, page 7.
✓ MacLaren Mfg. Co., 26-28 Park Pl., New York, N. Y. "DominAire" See advertisement, page 126.
Magnadyne — see Nassau Radio Co.
Magnadyne — see Windsor Radio Corp.
Magnavox Co., 2725 E. 14th St., Oakland, Cal.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y. "Magnutrol"
Magnutrol — see Magnus Electric Co.
Malone-Lemmon — see Carloyd Electric & Radio Co.
Manning-Hall Radio Service, 1819 Broadway, New York, N. Y.
Maple Radio Shop, Mt. Vernon, Ohio "Queen"
Marathon Radio Corp., 133 First St., San Francisco, Cal.
Marine Radio Mfg. & Electric Co., 1044 St. Nicholas Ave., New York N. Y.
Marlodyne — see Marlow Co.
Marlow Co., Ernest, 613 Bangs Ave., Asbury Park, N. J. "Marlodyne"
✓ Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for Superadio Receivers) See advertisement, page 139.
Martin Radio & Electric Co., 130 W. 52d St., New York, N. Y.
Martinola — see Vibroplex Co.
Mary-O-Dyne — see Amber Mfg. Corp.
Marwol Radio Corp., 546 Broadway, New York, N. Y. "Baby Grand"
Master — see Orator Radio Corp.
Master Dyne — see Bechaud Radio Laboratories
Masterola — see R-C-Mills Radio Corp.
Master Radio Co., 1501 E. 55th St., Chicago, Ill.
Mayflower "5" — see Wheelock Mfg. Co.
Mayo Radio Corp., 2671 Broadway, New York, N. Y. "Lark"
Mayolian Radio Corp., 1991 Broadway, New York, N. Y.
Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Consomello Grand"
Meco — see Metropolitan Electric Co.
Melco-Supreme — see Amaco Products, Inc.
Melodee — see Roth Radio Co.
Melodian Laboratories, Independence, Mo. "Melody King"
Melody — see Better Radio Co.
Melody King — see Melodian Laboratories
Melodyne — see Hall Radio Corp.
Melodyne Radio Co., 1457 Broadway, New York, N. Y.
Mercury Radio Products Co., 50 Church St., New York, N. Y.
Merrill Mfg. Co., 1312 La Grange St., Toledo, Ohio
Meteor Phonograph Co., Piqua, Ohio
Metropolitan Electric Co., Fine Arts Bldg., Des Moines, Iowa "Meco"
Metropolitan Engineering Service Co., 43 Tremont St., Boston, Mass. "Veriphone"
Microdyne — see Apex Electric Mfg. Co.
Microdyne — see Lakeside Supply Co.
Midwest Radio Co., 410 E. Eighth St., Cincinnati, Ohio "Miraco"
Minerva Radio Mfg. Co., 827 Irving Park Blvd., Chicago, Ill.
Minute Man — see Pathe Phonograph & Radio Corp.
Miraco — see Midwest Radio Co.
Mirro-dyne — see Radio Service Parlors
Mississippi Valley Radio Co., 203 Pine St., St. Louis, Mo. "Lafayette"
Muhawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
Monarch Radio Corp., 111 W. Monroe St., Chicago, Ill.
Monodyne — see National Airphone Corp.
Monotrol — see Sleeper Radio Corp.
Monroe Radio Mfg. Co., Telephone Bldg., Monroe, Mich. "Monrona"
Monrona — see Monroe Radio Mfg. Co.
Montrodyne — see Montrose Radio Laboratories
Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L." "Montrodyne" "Montroset"
Montroset — see Montrose Radio Laboratories.
Moore Mfg. Co., 169 Bloomfield Ave., Bloomfield, N. J. "Perflexdyne"
More Tone Radio Co., 361 E. Ohio St., Chicago, Ill.
Mo-Re-Co — see Morris Register Co.
Morradyne — see Morrison Radiophone Co.
Morris Register Co., Council Bluffs, Iowa "Mo-Re-Co"
Morrison Radiophone Co., 305 Fairfield Ave., Bridgeport, Conn. "Morradyne"
Morton & Borks, Stockton, Cal.
M. R. L. — see Montrose Radio Laboratories
Mu-Rad Laboratories, Inc., 800 Fifth Ave., Asbury Park, N. J.
✓ Murdock Co., Wm. J., 430 Washington Ave., Chelsea, Mass. See advertisement, page 124.
Music Master Corp., 128 N. Tenth St., Philadelphia, Pa. "Ware"
Mutual Radio Co., Stearns Rd., Wellesley, Mass.
Mysto — see Berstan Radio Products Co.
Nassau Radio Co., 60 Court St., Brooklyn, N. Y. "Uni-Tune" "Magnadyne"
National Radio Co., Marshall, Minn.
National Radio Mfg. Co., 406 N. Hudson St., Oklahoma City, Okla. "Country Gentlemen"
Naturelle — see Brilliantone Radio Products
Nestor — see Pearson Division Electrical Research Laboratories.
Neutrodyne — see Terry Electric Co.
Neutrowound Radio Mfg. Co., 1721 Prairie Ave., Chicago, Ill.
Neuway — see Benson Engineering Co.
New York Album & Card Co., 23 Lispenard St., New York, N. Y. "Nyaccoflex"
Newlands — see Incandescent Supply Co.
Newport Radio Corp., 250 W. 54th St., New York, N. Y.
Niagara Furniture Co., Middleport, N. Y.
Nightingale — see Goldfinch Radio Corp.
No-Bat-Ry — see Batteryless Radio Corp.
Norbert Radio Co., 638 W. 160th St., New York, N. Y. "Diamadyne"
Norco, Jr. — see Northwestern Radio Mfg. Co.
Norco, Sr. — see Northwestern Radio Mfg. Co.
Norco — see Northwestern Radio Mfg. Co.
Norden, Huck, Inc., 1617 Chestnut St., Philadelphia, Pa.
Northwestern Radio Mfg. Co., 1556 E. Taylor St., Portland, Ore. "Norco", "Norco, Jr." "Norco, Sr."
Novadyne Radio Corp., 62 W. State St., Battle Creek, Mich.
Nunn-Landon Co., 1115 Fourth St., Milwaukee, Wis.

SETS, Vacuum Tube Continued

- Nyacoflex — see New York
Album & Card Co.
- Oard Radio Laboratories,
Stockton, Cal.
- Obermiller, M. W., 230 Union
Ave., Lynbrook, L. I.,
N. Y.
- Octophase—see Hays Products
Co.
- Ohio Stamping & Engineering
Co., Dayton, Ohio.
- Okay Radio Apparatus Co.,
Brazil, Ind.
- O'Neill & Co., E. Holman,
123 Summit St., Downers
Grove, Ill.
- Operadio Corp., 8 S. Dear-
born St., Chicago, Ill.
- Orator Radio Corp., 54th St. &
Broadway, New York,
N. Y. "Master" "Aristo-
crat"
- Orloie—see W-K Electric Co.
- Orloie Five — see Roberts
Radio Co.
- Orpheus — see Roth-Downs
Mfg. Co.
- Ostermeier Radio & Electric
Co., 1720 S. Douglas Ave.,
Springfield, Ill.
- Ozarka, Inc., 804 Washing-
ton Blvd., Chicago, Ill.
- Padre, Jr.—see Golden West
Radio Co.
- Padre, Sr.—see Golden West
Radio Co.
- Page—see R. B. Radio Co.
- Paragon—see Adams Morgan
Co.
- Parkin Mfg. Co., Grand Ave.,
San Rafael, Cal.
- Partridge Factories Associ-
ates, Inc., 665 E. 17th St.,
Brooklyn, N. Y.
- Pathe Phonograph & Radio
Corp., 20 Grand Ave.,
Brooklyn, N. Y. "Minute
Man"
- Patterson Radio Corp., 229
S. Los Angeles St., Los
Angeles, Cal. "Supreme"
- Paulson & Hoppie, San Fern-
ando Bldg., Los Angeles,
Cal.
- Pearl Radio Corp., 1033 Race
St., Philadelphia, Pa.
- Pearson Division Electrical
Research Laboratories,
1421 S. Michigan Ave.,
Chicago, Ill. "Nestor"
- Peel Radio Corp., 2207 Iowa
St., Davenport, Iowa
"Pelrad" "Pelradyne"
- Peerless Radio Corp., 4733 N.
Robey St., Chicago, Ill.
"Electrodyne"
- Pelrad—see Peel Radio Corp.
- Pelradyne—see Peel Radio
Corp.
- Penn C — see Pennsylvania
Wireless Mfg. Co.
- Pennsylvania Wireless Mfg.
Co., 507 Florence Ave.,
New Castle, Pa. "Penn C"
"De-Luxe Five"
- Perasco — see Perry Radio
Supply Co.
- Perasco Kewpie — see Perry
Radio Supply Co.
- Perasco Petit Grande — see
Perry Radio Supply Co.
- Perflexdyne—see Moore Mfg.
Co.
- Perry Radio Supply Co., 218
Washington Blvd., River
Forest, Ill. "Perasco"
"Perasco Kewpie" "Perasco
Petit Grande"
- ✓Pfanstiehl Radio Co., Dept.
P., 11 S. La Salle St., Chi-
cago, Ill. Cataloged on
page 127.
- Phenix Radio Corp., 111 E.
25th St., New York, N. Y.
Pink-a-Tone—see Sunbeam
Radio Corp.
- Pioneer Radio Corp., 109 Pio-
neer Ave., Galesburg, Ill.
- Pioneer Radio & Electric
Supply Co., 2125 S. Michi-
gan Ave., Chicago, Ill.
- Pittsburgh Radio Supply
House, 963 Liberty Ave.,
Pittsburgh, Pa. "De Luxe"
- Phiodyne—see Golden-Leutz,
Inc.
- Phio-6 — see Golden-Leutz,
Inc.
- Plymouth Radio & Phono-
graph Co., Plymouth, Wis.
- Polydyne—see A-C Electrical
Mfg. Co.
- Portola Radio Co., 440 Mar-
ket St., Philadelphia, Pa.
- Ports Mfg. Co., 3305 Bel-
mont Ave., Fresno, Cal.
"Prmcoc"
- Power — see Argus Radio
Corp.
- Powerola Radio Corp., 1845
Broadway, New York, N. Y.
(Sole Distributors for Ter-
minal Electric Co., New
York, N. Y.)
- Precl Radio Mfg. Co., 2158
Smead St., Toledo, Ohio
"Superfive"
- Premier Radio Corp., De-
fiance, Ohio
- Priess Radio Corp., 695
Broadway, New York, N.
Y.
- Prima Products Corp., 12810
Penobscott Ave., Cleveland,
Ohio
- Prmcoc—see Ports Mfg. Co.
- 360 W. 13th St., New York,
N. Y. "Aero Fone"
- Pyrodyne—see Quaker City
Paper Box Co.
- Q-R—see Robinson Specialty
Co.
- Q. T. Radio Products Co.
East Orange, N. J. "Little
Giant"
- Quaker City Paper Box Co.,
12th & Down Sts., Phila-
delphia, Pa. "Pyrodyne"
- Queen—see Maple Radio
Shop
- Radak—see Clapp-Eastham
Co.
- Radio Accessory Products
Co., 219 Greenwich St.,
New York, N. Y. "Rapco"
- Radio Auto Distributors, 920
D St., N. W., Washington,
D. C. "Airtone"
- Radio Center, 329 W. Balti-
more St., Baltimore, Md.
"Reiner"
- Radio Corp. of America, 233
Broadway, New York,
N. Y. "Radiola"
- Radio-Fone-O-Graf Co., 27 S.
Broad St., Elizabeth, N. J.
- Radio Frequency Labora-
tories, Inc., Boonton, N. J.
"R F L"
- Radio Industries Corp., 131
Duane St., New York,
N. Y. "Rico-Dyne"
- Radio-Master Corp. of Amer-
ica, Bay City, Mich. "Sim-
pliform"
- Radio Paradise, 325 S.
Halstead St., Chicago, Ill.
"Macadyne"
- Radio Products Corp., 2600
28th Ave., N., Birming-
ham, Ala. "Superflex"
- Radio Receptor Co., 106 Sev-
enth Ave., New York, N. Y.
"Receptrad Multiflex"
- Radio Research Laboratories,
Hastings, Neb. "Ultra-
dyne"
- Radio-Rite Service Labora-
tories, 57 Hakey St., Newark,
N. J. "Selectodyne"
- Radio Service, 802 South St.,
Peekskill, N. Y. "Fronti-
nac"
- Radio Service Co., 337 South
Western Ave., Los Angeles,
Cal. "Angelus"
- Radio Service Parlors, Rex
Bldg., Mt. Vernon, Ill.
"Mirro-dyne"
- Radio Service Station, 25 S.
Fourth Ave., Mt. Vernon,
N. Y.
- Radiocompak Co., A. P. Trust
Bldg., Asbury Park, N. J.
- Radiodyne—see Western Coil
& Electrical Co.
- Radiograph Mfg. Co. — see
Jones Agencies
- Radiola—see Radio Corp. of
America
- Radiophone—see De Forest
Radio Co.
- Radiotel Mfg. Co., Bayshore,
L. I., N. Y.
- Radisto Sales Co., Fulton
Bldg., Pittsburgh, Pa.
- RadY-Namic—see Hect Radio
Industries
- Radyne—see Great Western
Radio Corp.
- Ragan-Gant Radio Mfg. Co.,
15th St. & Troost Ave.,
Kansas City, Mo.
- Rambler Six—see American
Interstate Radio Service
- Randle Radio Co., 1725
Powers St., Cumminsville,
Cincinnati, Ohio
- Ranger Laboratories, 100
Hudson St., New York,
N. Y.
- Rapco—see Radio Accessory
Products Co.
- Raven Radio, Inc., Cobles-
ville, N. Y.
- Ray-Dee-Artcraft Mfg. Co.,
12 E. Central Ave., Red-
lands, Cal.
- Raydeluxe—see Schoonhoven,
R. C.
- R. B. Radio Co., 117 W. 51st
St., New York, N. Y.
"Belle-Claire" "Page"
- R-C-Mills Radio Corp., 303
Fourth Ave., New York,
N. Y.
- R-D-X—see Durrant Radio
Ltd.
- Ready Radio Co., 135 Liberty
St., New York, N. Y.
"Berlo"
- ✓Recepton Radio Corp., S. W.
Cor. 17th & Woods Sts.,
Philadelphia, Pa. See ad-
vertisement, page 128.
- Receptrad Multiflex — see
Radio Receptor Co.
- Reco—see Davenport-Hickory
Corp.
- Regal—see Cole Co.
- Regenodyne — see Chelsca
Radio Co.
- ✓Reichmann Co., 1725-39 W.
74th St., Chicago, Ill.
"Thorola Isodyne" See
Back Cover.
- Reiner—see Radio Center
- Republic—see United States
Factories
- Resas, Inc., 112 Chambers
St., New York, N. Y.
"Tone-A-Dyne"
- Rex Radio Specialty Co., 123
Liberty St., New York,
N. Y. "Rexco Masterdyne"

SETS, Vacuum Tube Continued

- Rexco Masterdyne—see Rex Radio Specialty Co.
- R F L—see Radio Frequency Laboratories, Inc.
- Rich, George H., 6503 N. Uber St., Philadelphia, Pa.
- Richards, C. W., 55 S. River St., Janesville, Wis. "CWR"
- ✓Richards & Co., George, 557 W. Monroe St., Chicago, Ill. "Hemco." Cataloged opposite Inside Front Cover.
- ✓Richardson Radio, Inc., 128 University Pl., New York, N. Y. See advertisement, page 127.
- Rico-Dyne—see Radio Industries Corp.
- R-K Mfg. Co., 507 Mission St., San Francisco, Cal. "Weston"
- Robbins Radio Co., 230 W. Houston St., New York, N. Y. "Silvertone" "Inter-Continental"
- Roberts Radio Co., Henry C., 112 Trinity Pl., New York, N. Y. "Orlole Five."
- Robinson Specialty Co., 13 Walnut St., Keyport, N. J. "Q-R"
- Rodgers Radio Corp., 5113 Greenfield Ave., Milwaukee, Wis.
- Roth-Downs Mfg. Co., 2324 University Ave., St. Paul, Minn. "Orpheus"
- Roth Radio Co., 88 W. Broadway, New York, N. Y. "Melodee"
- Royal Sixteen—see Kennedy Corp.
- Ruckelhaus, John C., 41 Commercial St., Newark, N. J. "Rutic"
- Russell Radio Corp., Maryland Ave. & Oliver St., Baltimore, Md.
- Rutic—see Ruckelhaus, John C.
- Schoonhoven, R. C., 310 Seneca St., Elgin, Ill. "Raydeluxe"
- ✓Schwab, Inc., Harold M., 55 Vesey St., New York, N. Y. "Shacton De Luxe" See advertisement, page 120.
- Scout—see Sleeper Radio Corp.
- Sears Mfg. Co., 5213 Windsor Ave., Cleveland, Ohio "Torodyne"
- Seattle Radio Service, 546 N. 67th St., Seattle, Wash.
- Seco—see Spielman Electric Co.
- Seery-Bartell Co., 324 S. Washington Ave., Lansing, Mich.
- Selectodyne—see Radio-Rite Service Laboratories.
- Serenader—see Sleeper Radio Corp.
- Shacton De Luxe—see Schwab, Inc., Harold M.
- Sheldon Radio Co., La Verne, Cal.
- Sheridan Radio Sales Co., 301 W. Fourth St., New York, N. Y.
- Sherman Radio Mfg. Corp., 112 Trinity Pl., New York, N. Y. "Clearfield"
- Sherman Wireless Corp., 123 Liberty St., New York, N. Y.
- Shirley's Radio Electric Shop, Carmen, Okla.
- Silverset Radio Co., 501 E. McMillan St., Cincinnati, Ohio
- Silvertone—see Robbins Radio Co.
- Silvey Electric Co., 10 S. Canal St., Dayton, Ohio.
- Simpleform—see Radio-Master Corp. of America.
- Simple Simon—see Tri-City Radio Electric Supply Co.
- Simplex Electrical Instrument Co., 7 River St., Milford, Conn.
- Simplex Radio Co., Philadelphia, Pa.
- Simplex Radio Co., Monroe & King Sts., Sandusky, Ohio
- Simpli-Dyne—see Electric Service Shop
- Sincroflex—see Mack Co.
- Six Seventy-One—see General Instrument Corp.
- Skylark—see Benler Radio Corp.
- Slagle Radio Co., 530 Masterson Ave., Fort Wayne, Ind.
- Sleeper Radio Corp., 430 Washington Ave., Long Island City, N. Y. "Monotrol" "Scout" "Serenader" "Super-Symphonic"
- Sonora Phonograph Co., 279 Broadway, New York, N. Y.
- Southeastern Radio Corp., Winston-Salem, N. C. "Carol-Dyne"
- Spielman Electric Co., 311 W. 59th St., New York, N. Y. "Seco"
- Splitdorf - Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Square Deal Radio & Electric Co., 103 Leroy St., Fenton, Mich.
- Standard Radio Corp., 61 Jackson St., Worcester, Mass. "Standardyne"
- Standard Radio & Electric Co., 20 N. Seventh St., Ft. Smith, Ark. "Brown Telephone"
- Standard Radio & Electric Co., 90 Bayley St., Pawtucket, R. I. "Giblin"
- Standardyne—see Standard Radio Corp.
- Standish Mfg. Co., Myles, 2411 W. Broadway, Council Bluffs, Iowa
- Stanley Radio Co., 2947 Lorain Ave., Cleveland, Ohio
- Stanwood Electric Specialty Co., 1834 Broadway, New York, N. Y.
- ✓Star Crystal Co., 527 Woodward Ave., Detroit, Mich. (Sole Distributors for B-Metal Refining Co., Detroit, Mich.) See advertisement, page 48.
- Star Radio Mfgs., 808 South St., Philadelphia, Pa.
- ✓Starr Equipment Corp., 370 Hamilton Ave., Brooklyn, N. Y. "Starr-Harmonic" See advertisement, page 163.
- Starr-Harmonic—see Starr Equipment Corp.
- Steinle Laboratories, Radio Bldg., Atchison, Kans.
- Steinmetz Wireless Mfg. Co., 5968 Baum Blvd., Pittsburgh, Pa.
- Sterling Electrical Corp., 2711 Church Ave., Cleveland, Ohio. "Longoria"
- Sterling Five—see Gibson-Sears Radio Corp.
- ✓Stewart-Warner Speedometer Cor'n., 1834 Diversey Pkwy., Chicago, Ill. "Aeromaster" "Aeroking" See advertisement, page 129.
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
- Summers Radio Co., 1105 W. First St., Los Angeles, Cal. "Suraco"
- Sun Mfg. Co., 722 S. 26th St., Louisville, Ky.
- Sunbeam Radio Corp., 1834 Broadway, New York, N. Y. "Akradyne" "Pink-A-Tone"
- Sunbeam Radio Co., 1203 St. John's St., Lima, Ohio
- Super Antenna Co., Quincy, Ill.
- Super-Symphonic—see Sleeper Radio Corp.
- Superadio—see De Witt-La France Co.
- Superdyne—see Truska Co.
- Superfive—see Precl Radio Mfg. Co.
- Superflex—see Radio Products Co.
- Superfone Radio Co., McKibben Bldg., Muskegee, Okla.
- Superior—see United Electric Co. of Chicago
- Superiorldyne—see Electrical Research & Mfg. Co.
- Superiorflex—see Electrical Research & Mfg. Co.
- Supertone—see Buckwater Radio Corp.
- Supreme—see Everett Radio Co.
- Supreme—see Liberty Radio Mfg. Co.
- Supreme—see Patterson Radio Corp.
- Suraco—see Summers Radio Co.
- Sweeney Radio & Electrical Co., Sweeney Bldg., Kansas City, Mo.
- Synchrophase—see Grebe & Co.
- Sypher Mfg. Co., 1524 Fernwood Ave., Toledo, Ohio.
- Tanner Radio Co., C. D., 528 W. Washington St., Los Angeles, Cal. "Tannerflex"
- Tannerflex—see Tanner Radio Co.
- Taylor Radio Co., 1218 Chestnut St., Philadelphia, Pa.
- Telephone Maintenance Co., 20 S. Wells St., Chicago, Ill.
- ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. See advertisement, page 142.
- ✓Telotone Corp. of America, 449-53 W. 42d St., New York, N. Y. Cataloged on page 129.
- Terlee Electric & Mfg. Co., 443 S. Dearborn St., Chicago, Ill. "Acmeflex"
- Terminal Electric Co.—see Powerola Radio Corp.
- Terrace Radio Mfg. Corp., 26 Dock St., Yonkers, N. Y.
- Terry Electric Co., 266 Devonshire St., Boston, Mass. "Neurodyne"

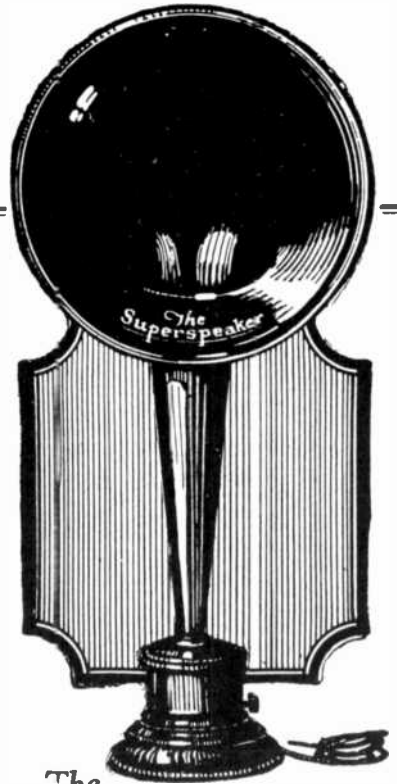
Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

—without charge, of course.

The
**RADIO TRADE
 DIRECTORY**



The **Superspeaker** (Registered Trademark)

A reproducing instrument not duplicated by any device on the market in workmanship, materials and performance. Standard equipment of most radio laboratories. Exclusive Volume Control adds distance and compensates for B-battery variations as well as temperature and humidity changes.

No extra batteries or coils—
 Non-vibrating horn—Height
 26 inches, Weight 5 pounds
 —handsomely finished in
 ebony gloss—Each Super-
 speaker packed in individual
 carton, horn and base separate.
 Price \$30. (West of the
 Rockies, \$32.50).

(10)

"THERE IS NO SUBSTITUTE FOR THE BEST"

**JEWETT RADIO &
 PHONOGRAPH COMPANY**

5686 Telegraph Road
 PONTIAC, MICH.

SETS, Vacuum Tube Continued

- Terry Electric & Mfg. Co.,
Goreville, Ill.
- T & H Radio Co., Anthony,
Kans.
- Thermodyne Radio Corp.,
1819 Broadway, New York,
N. Y.
- Tholen Electric Co., 261
Fourth St., Milwaukee,
Wis.
- Thompson Mfg. Co., R. E.,
30 Church St., New York,
N. Y.
- Thoroboro—see Brown Radio
Mfg. Co.
- Thor-O-Dyne Co., 1208 San
Julian St., Los Angeles,
Cal.
- Thorola Isodyne—see Reich-
mann Co.
- Tone-A-Dyne — see Resas,
Inc.
- Torodyne — see Ainsworth
Radio Co.
- Torodyne — see Sears Mfg.
Co.
- Tranadyne—see Kehler Ra-
dio Laboratories
- Trans-Atlantic Radio Prod-
ucts Corp., 117 E. 24th St.,
New York, N. Y.
- Trego Radio Mfg. Co., 427
Chestnut St., Kansas City,
Mo.
- Triangle Electric Co., 160 W.
Lake St., Chicago, Ill.
"Apollo-Dyne"
- Tri-City Radio Electric Sup-
ply Co., Davenport, Iowa,
"Simple Simon"
- Trinity — see Beacon Radio
Mfg. Co.
- Tri-O-Dyne—see Big Three
Radio Corp.
- True Tone Radio Mfg. Co.,
186 N. La Salle St., Chi-
cago, Ill.
- Turner Radio Corp., K. M.,
1517 N. Wilton Pl., (Holly-
wood) Los Angeles, Cal.
"Hollywood"
- Tuska Co., C. D., Hartford,
Conn. "Superdyne"
- Tustin Radio & Electric Co.,
428 Sutter St., San Fran-
cisco, Cal.
- Twitshell Co., S. A., 1925
Western Ave. Minneapolis,
Minn.
- Tzigan — see Elite Radio
Stores
- UCO—see Utica Compressor
Co.
- U-Flex Mfg. Co., 1 S. 39th
St., (West Phila.) Phila-
delphia, Pa.
- Ultradyne — see Radio Re-
search Laboratories
- Ultra-Marvel—see Industrial
Radio Service
- United Electric Co. of Chi-
cago, 9030 Commercial
Ave., Chicago, Ill. "Super-
rior"
- United Manufacturing & Dis-
tributing Co., 9705 Cottage
Grove Ave., Chicago, Ill.
- United Metal Stamping &
Radio Co., 411 E. Pearl
St., Cincinnati, Ohio
- United States Factories, 417
S. Dearborn St., Chicago,
Ill. "Republic"
- Uni-Tune—see Nassau Radio
Co.
- Upco — see Advance Prod-
ucts Co.
- U S L Radio, Inc., Niagara
Falls, N. Y.
- Utica Compressor Co., 819
Hamilton St., Utica, N. Y.
"UCO"
- Valley Electric Co., 3157 S.
Kingshighway, St. Louis,
Mo. "Valleytone"
- Valleytone—see Valley Elec-
tric Co.
- Van-Ashe Radio Co., Tenth &
Pine Sts., St. Louis, Mo.
- Van Staagen Radio Research
& Mfg. Corp., 406 Main St.,
New Rochelle, N. Y.
- Van Nuys Electric Co., Van
Nuys, Cal. "Kirk Recrea-
tion"
- Veriphone—see Metropolitan
Engineering Service Co.
- Vesco Radio Co., 6428 E.
14th St., Oakland, Cal.
- Vibroplex Co., 825 Broad-
way, New York, N. Y.
"Martinola"
- Victory Radio Electro Co.,
559 Howard St., San Fran-
cisco, Cal.
- Vitanola Talking Machine
Co., American Furniture
Mart Bldg., Chicago, Ill.
"Vitaradio"
- Vitaradio — see Vitanola
Talking Machine Co.
- Vlahos Radio Corp., Con-
gress Hotel, Chicago, Ill.
"Wonder" "Wonder, Jr."
- Voisometer Mfg. Co., Kirk-
wood, Mo.
- Volotone Mfg. Co., Minerva,
Ohio
- Voltamp Electric Mfg. Co.,
406 Jasper St., Baltimore,
Md.
- Walbert Mfg. Co., 945
Wrightwood Ave., Chicago,
Ill.
- Wallace & Co., K. J., 520
Centre St., Brockton, Mass.
- Ware — see Music Master
Corp.
- Washburn Burner Corp., Ko-
komo Despatch Bldg., Ko-
komo, Ind.
- Waugh Electric Mfg. Co., 25
N. Montgomery St., Tren-
ton, N. J. "Echo"
- Wav-O-Dyne — see Lytton,
Inc.
- Wells Mfg. Co., 114 S.
Brooke St., Fond du Lac,
Wis. "Arlington"
- Wells Park Wonder Horn
Mfg. Co., 4321 North West-
ern Ave., Chicago, Ill.
- Wells Radio Mfg. Co., 2710
N. Ashland Ave., Chicago,
Ill. "Bear Cat"
- Wesley Radio Corp., 5 Beek-
man St., New York, N. Y.
"Acme"
- Western Coil & Electrical
Co., 318 Fifth St., Racine,
Wis. "Radiodyne"
- Weston—see R-K Mfg. Co.
- Wheeler Mfg. Co., 970 Mon-
tana St., Chicago, Ill.
- Wheelock Mfg. Co., West
New York, N. J. "May-
flower 5" "Airtune"
- White Beauty Electric Co.,
4416 N. Western Ave., Chi-
cago, Ill.
- White Radio Corp., 1841
Broadway, New York, N. Y.
- Whiteland Mfg. Corp., 1600
Chestnut Ave., Brooklyn,
N. Y.
- Whitestone — see Boisson-
nault Co.
- Wilcox Laboratories, 323½
E. Michigan Ave., Lansing,
Mich.
- Windsor Radio Corp., Frank-
lin St. & Third Ave., S.,
Minneapolis, Minn. "Mag-
nadyne"
- Wippel-Raine Radio Co., 215
E. Pearl St., Cincinnati,
Ohio
- Wireless Corp. of America,
2301 W. Erie St., Chicago,
Ill.
- W-K Electric Co., 89 Middle
St., Kenosha, Wis. "Oriole"
- Wolverine—see Klitzen Radio
Mfg. Co.
- Wolverine Radio Co., 103 W.
Atwater St., Detroit, Mich.
"Combidyne"
- Wonder—see Vlahos Radio
Corp.
- Wonder, Jr.—see Vlahos Ra-
dio Corp.
- Wondertone Radio Mfg. Co.,
18 Locust St., Battle Creek,
Mich.
- WorkRite Mfg. Co., 1812 E.
30th St., Cleveland, Ohio
- World Electric Co., 976 S.
Western Ave., Los Angeles,
Cal.
- Wright Co., H. Earle, 123
Second St., San Francisco,
Cal.
- Wright De Coster Radio,
Inc., 1466 Selby Ave., St.
Paul, Minn.
- "X" Laboratories, 25 W. 45th
St., New York, N. Y.
- Zenith Radio Corp., 310 S.
Michigan Ave., Chicago,
Ill.

SHEARS AND SNIPS, Metal

- Acme Shear Co., 82 Hicks
St., Bridgeport, Conn.,
"Handy"
- Bridgeport Hardware Mfg.
Corp., Dept. R., Bridgeport,
Conn. "Radio-Letric." See
advertisement, page 57.
- Clauss Shear Co., Fremont,
Ohio
- Disston & Sons, Henry (Tac-
ony), Philadelphia, Pa.
- Handy—see Acme Shear Co.
- Peck, Stow & Wilcox Co.,
217 Center St., Southing-
ton, Conn.
- Radio Letric — see Bridge-
port Hardware Mfg. Corp.
- Wiss & Sons Co., J., 33 Lit-
tleton Ave., Newark, N. J.

SHEET ALUMINUM— see Aluminum, Sheet

SHEET ASBESTOS— see Asbestos, Sheet

SHEET BRASS— see Brass and Copper, Sheet

SHEET FELT— see Felt, Sheet

SHEET FIBRE— see Fiber, Hard

SHEET MICA—
see Mica, Sheet

SHIELDING, Panel
Apollo Metal Works, La Salle, Ill.
Walker Mfg. Co., 247 Scott St., San Francisco, Cal.

SHORT CIRCUIT SIGNALS—
see Signals, Short Circuit

SIGNALS, Short Circuit
For indicating short circuits in receiving sets; For tube fuses — see Fuses, Tube
Ins-Ur-Tube — see Terlee Electric Mfg. Co.

✓Mack Co., 1940 W. Delancey St., Philadelphia, Pa. "Mackcontrol" See advertisement, page 7.
Mackcontrol—see Mack Co.
Terlee Electric & Mfg. Co., 443 S. Dearborn St., Chicago, Ill. "Ins-Ur-Tube"

SILENCERS, Interference—
see Traps, Wave

SILICON CRYSTALS—
see Crystals

SILK COVERED WIRE—
see Wire, Magnet

SILVER CONTACT POINTS—
see Points, Contact

SKINNERS, Wire—
see Tools, Wire Stripping

SLIDE-TUNING COILS—
see Coils, Slide Tuning

SLIDERS, Tuning Coil
All-Point Mfg. Co., 2905 W. Euclid Ave., Detroit, Mich.
Bestone—see Hyman & Co.
Chapman Machine Co., Terryville, Conn.
Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
Hipco—see Hipwell Mfg. Co.
Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
Morse Co., Frank W., 289 Congress St., Boston, Mass.
United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
Un-X-Ld—see Forman & Co.

SNIPS, Metal—
see Shears and Snips, Metal

SOCKET ADAPTERS—
see Adapters, Socket

SOCKET AERIALS—
see Plugs, Antenna

SOCKET MOUNTS—
see Mounts, Panel Socket

SOCKET PLUGS—
see Plugs, Antenna

SOCKET WRENCHES—
see Wrenches, Socket

SOCKETS, Composition—
see Sockets, Vacuum Tube

SOCKETS, Gang Vacuum Tube
✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.

Airex Co., 797 Greenwich St., New York, N. Y.

Andrea, F. A. D.: 1581 Jerome Ave., New York, N. Y. "Fada"

Ballston Insulating & Composition Co., Ballston Spa, N. Y.

Benjamin Electric Mfg. Co., 128 S. Sangamon St., Chicago, Ill. "Cle-Ra-Tone"

Bestone—see Hyman & Co.
Cle-Ra-Tone — see Benjamin Electric Mfg. Co.
Fada—see Andrea, F. A. D.
Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
Guarantee Specialty Mfg. Co., 5100 Superior Ave., Cleveland, Ohio

Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.

Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"

Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Shamrock Mfg Co., 314 Market St., Newark, N. J.

Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

✓Silver-Marshall, 102 S. Wash Ave., Chicago, Ill. "S-M" See advertisement, page 164.

S-M—see Silver-Marshall

✓Toaz Engineering & Sales Co., 11703 Robertson Ave., Cleveland, Ohio. See advertisement, page 139.

United Radio Mfg. Co., 191 Greenwich St., New York, N. Y. "Victory"

Victory—see United Radio Mfg. Co.

Walnut Electric Mfg. Co., 308 Green St., Chicago, Ill.

Waterbury Button Co., Waterbury, Conn.

SOCKETS, Glass—
see Sockets, Vacuum Tube

SOCKETS, Metal—
see Sockets, Vacuum Tube

SOCKETS, Molded—
see Sockets, Vacuum Tube

SOCKETS, Porcelain—
see Sockets, Vacuum Tube

SOCKETS, Single Vacuum Tube
A-C Electrical Mfg. Co., Dayton, Ohio

✓Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon" See advertisement, page 144.

Aeolus Corp., 161 Grand St., New York, N. Y.

✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.

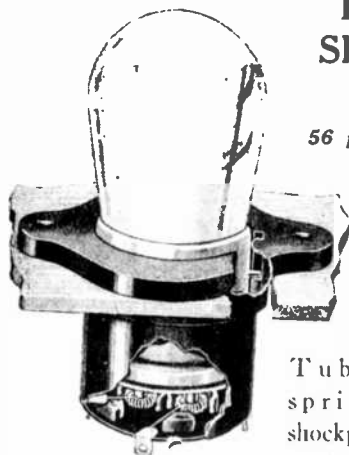
Aerwin Electric Co., 1008 Springfield Ave., Irvington, N. J.

Airex Co., 797 Greenwich St., New York, N. Y.

Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"

Ajax—see Philmore Mfg. Co.

New BELL Products



The BELL Shock-proof Socket

56 points of contact!

14 points of contact on *side* of each spring. Tube seats with straight push; no twisting. Tube "floats" on springs — perfectly shockproof. Sub-panel or base mounting.



2-in-1 Vernier Dial

Coarse or 15-to-1 vernier tuning without lifting hand from knob. Polished Bakelite, enclosed scale.

BELL 3-Phone Plug

Hooks up 1 to 3 sets of phones in series. Numbers make connecting easy.



DEALERS—Write for Prices and Information

BELL MANUFACTURING CO.

11 Elkins St., Boston, Mass.

SOCKETS—DIALS—KNOBS—PLUGS

SOCKETS, Single Vacuum Tube Continued

- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- ✓Alden Mfg. Co., Dept. D-4, Springfield, Mass. "Nald." Cataloged on page 137.
- All-American Radio Corp., 4221 W. Belmont Ave., Chicago, Ill.
- American Hard Rubber Co., 11 Mercer St., New York, N. Y. "Radion"
- Amsco Products, Inc., 416 Broome St., New York, N. Y.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Audiola Radio Co., 430 S. Green St., Chicago, Ill.
- Audion—see Splttdorf-Bethlehem Electrical Co.
- Baker-Smith Co., Call Bldg., San Francisco, Cal., (Sole Distributors for Bel-Canto Radio & Telephone Equipment Co., New York, N. Y.), "Hur-cu-lean"
- Ballgrip—see Quality Molded Products, Inc.
- Ballston Insulating & Composition Co., Ballston Spa, N. Y.
- ✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
- Bel-Canto Radio & Telephone Co.—see Baker-Smith Co.
- ✓Bell Mfg. Co., 11 Elkins St., Boston, Mass. Cataloged on page 136.
- Benjamin Electric Mfg. Co., 847 W. Jackson Blvd., Chicago, Ill. "Cle-Ra-Tone"
- ✓Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Bremco" See advertisement, page 138.
- Bestone—see Hyman & Co.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Boetter Mfg. Co., A. V. 612 S. Canal St., Chicago, Ill.
- Bremco — see Bennington Radio & Electric Mfg. Co.
- ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B. T." See advertisements, pages 41, 53, 117 and 165.
- Bruno Radio Corp., 221 Fulton St., New York, N. Y.
- B. T.—see Bremer-Tully Mfg. Co.
- Buell Mfg. Co., 2975 Cottage Grove Ave., Chicago, Ill.
- Bull Dog Grip—see Seiss Mfg. Co.
- Caldwell—see Knox Corp.
- C-H — see Cutler-Hammer Mfg. Co.
- Champion Radio Products Co., 1400 E. 47th St., Chicago, Ill.
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.
- ✓Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.
- Circle F. Mfg. Co., 10 Prince St., Trenton, N. J. "F"
- Cle-Ra-Tone—see Benjamin Electric Mfg. Co.
- Cleveland Instrument Co., 1988 E. 66th St., Cleveland, Ohio

SOCKETS



DIALS



Na-Ald No. 400 DeLuxe Socket

Patented contacts of these sockets scrape a clean connection with the side of each tube terminal simply by turning the tube three or four times without removing the tube from the socket. Made of genuine Bakelite, Alden Processed, highest insulating qualities, low loss. Price DeLuxe, 75c.



400S

New! Na-Ald Cushion Sockets

The new Na-Ald cushion mounting permits direct connection either above or below the panel, without using binding posts. This means positive, permanent connection, and permits hidden wiring. The period of vibration of these cushion sockets is adjusted so as to always minimize microphonic noises.

Price, DeLuxe Cushion Socket No. 400S, 75c.

Price, Small Space Cushion Socket No. 401S, 50c.

Price, UV-199 Cushion Socket No. 499S, 50c.



401S



Na-Ald No. 429 Adapter

With the Na-Ald No. 429 Adapter, UV-199 tubes may be used in any UV-201A Socket. Price, 75c.

Na-Ald No. 419X Adapter

Fit your set to use the new UX-199 and UX-120 tubes. The Na-Ald 419X adapts these tubes to any UV-201A socket. Price, 35c.



New Na-Ald 5-inch Dial

The biggest dial on the market. Has 200 graduations arranged for quicker, easier reading. Its double knob is big enough to get hold of comfortably so you can tune in easily and smoothly, getting such accurate adjustment that it is often preferred to a vernier on sets that do not need critical tuning. Distinctive in appearance. Made of genuine Bakelite. Price \$1.50. \$3.00 in brilliant tortoise. \$2.50 in malachite green or garnet.



Na-Ald Super DeLuxe 4-inch Dial

Numbers and graduations scientifically arranged so that there is no eye-strain. Big knob. This Dial is made of genuine Bakelite, Alden Processed. Super DeLuxe Dial, 75c., \$1.50 in any of the colors mentioned below.

Knobs

Distinctive knobs for the particular set builder. Na-Ald K3674, large knob, and Na-Ald K3844, rheostat knob with indicator will add to the appearance of any set. These knobs are obtainable in black or colors. Price, K3674, 30c; K3844, 20c.



New! The Na-Ald Vernier Dial

Now! A vernier that matches regular Na-Ald Dials—yet so smooth and positive in its operation that to try it, is to want it. No gears. Nothing to get out of order. No "live" metal. Fits all condenser constructions, including condensers with one-hole mounting. Price \$1.50. \$2.50 malachite green or garnet. \$3.00 in brilliant tortoise.

Colored Dials

For the first time, Dials in colors other than mahogany or black are offered. Enhance appearance of set. Colors: garnet, malachite green (a mottled green and white), brilliant tortoise and mahogany.

ALDEN MFG. COMPANY, Dept. D4, Springfield, Massachusetts

RIVET MOUNT SOCKETS FOR SET MANUFACTURERS

Let our Engineering Dept. help you speed up production and save money by a practical demonstration of Na-Ald Rivet Mount Sockets in your set. These sockets simplify wiring. Require fewer holes for mounting and effect economies beyond the sockets themselves.

BREMCO V.T. SOCKETS

No. 1020

Made of
Genuine
Bakelite



Supplied
in black
or brown

THE contacts are reinforced and made of phosphor bronze, nickel plated thus assuring positive operation at all times. Each socket packed in an attractive carton as shown. Manufacturers should write us regarding their socket requirements and jobbers should send for our sales proposition.

Bennington Radio & Electric Mfg. Co., Inc.
Bennington, Vt.

SOCKETS, Single Vacuum Tube Continued

- Cleveland Products Co., 714 Huron Rd., Cleveland, Ohio
Compo-site, Inc., 207 Astor St., Newark, N. J. "Premier"
- ✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.
- Cutler-Hammer Mfg. Co., Milwaukee, Wis. "C-H"
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- Durad—see Duraplate Co.
- Duraplate Co., Summerdale Ave. & Roosevelt Rd., Philadelphia, Pa. "Durad"
- Duray Radio Corp., 31 Clinton St., Newark, N. J. "Viralon"
- Dutch Boy — see National Lead Co.
- Dymac—see Electrical Products Mfg. Co.
- Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
- Electric City Novelty & Sfg. Co., 120 Odell St., Connecticut, N. Y. "Radjo"
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Eria"
- Eria—see Electrical Research Laboratories
- Essex Mfg. Co., 1177 Mulberry St., Newark, N. J.
- Everett Radio Co., 5207 Dorchester Ave., Chicago, Ill. "Maximus"
- F—see Circle F. Mfg. Co.
- Fada—see Andrea, F. A. D.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Fleron & Son, M. M., 110 N. Broad St., Trenton, N. J.
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
- Freed-Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Garod Corp., 124 Adams St., Newark, N. J.
- General Porcelain Co., Camden Ave., S. E. Parkersburg, W. Va.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Gillilan Bros, 1815 W. 16th St., Los Angeles, Cal.
- Goodrich Rubber Co., B. F., Akron, Ohio
- Green Seal — see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H" "Pussyfut"
- Haydon & Haydon, 73 Warren St., New York, N. Y.
- Haynes-Griffin Radio Service, Inc.—see Tested Radio Products
- Heath Radio & Electric Co., 207 First St., Newark, N. J.
- ✓Heinemann Electric Co., Philadelphia, Pa. "Sensory." See advertisement, page 68.
- Hemco—see Richards & Co.
- H & H—see Hart & Hegeman Mfg. Co.
- Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill.
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
- Hur-cu-learn — see Baker-Smith Co.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- Hyperdyne — see Indiana Mfg. & Electric Co.
- Illinois Radio Co., Springfield, Ill.
- Imperial Electrical Co., Union City, Ind.
- Indiana Mfg. & Electric Co., 30th & Adams Sts., Marion, Ind. "Hyperdyne"
- ✓Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- K. B. Mfg. Co., 222 Eighth St., San Francisco, Cal.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- ✓Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130A.
- Kennedy Co.—see Kennedy Corp.
- Kennedy Corp., Colin B., 2017 Locust St., St. Louis, Mo. (Sole Selling Agents for Colin B., Kennedy Co., St. Louis, Mo.)
- Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Knox Corp., Broad & Ferris Sts., Galesburg, Ill. "Caldwell"
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Quality"
- Leich Electric Co., Genoa, Ill.
- Locke Radio Shop, Victor, N. Y.
- ✓Luzerne Rubber Co., Trenton, N. J. See advertisement, page 112.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Mar-Co — see Martin-Cope-land Co.
- Marsden Glass Works, J. E., 200 Fifth Ave., New York, N. Y. "Tufglas"
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Maximus—see Everett Radio Co.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio "Muzada"
- McKee Glass Co. Jeannette, Pa.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Morton & Borks, Stockton, Cal.
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- Muzada—see Mazda Radio Mfg. Co.
- Na-ald—see Alden Mfg. Co.
- Nagel Electric Co. W. G., 28 St. Clair St., Toledo, Ohio National Lead Co., 111 Broadway, New York, N. Y. "Dutch Boy"
- ✓Nacent Electric Co., 91 Seventh Ave., New York, N. Y. See advertisements, pages 97 and 157.
- Paragon—see Adams-Morgan Co.
- Parker Aeolus Corp., 161 Grand St., New York, N. Y.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Pioneer Radio Corp., 109 Pioneer Ave., Galesburg, Ill.
- Premier—see Composite Mfg. Co.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
- Pussyfut—see Hart & Hegeman Mfg. Co.

Representatives for
RADIO PRODUCTS

We are serving the radio trade with the following high grade radio lines in the New England States:

De Witt-La France Co., Inc., Cambridge, Mass.

Radio Sets—Tube Tester and Super-Het Kits.

Liberty Screw Products Co., Worcester, Mass.

Radio Parts and Accessories.

Gale Radio Laboratories, Chicago, Ill.
"Town Crier" Loud Speaker.

Aalco Radio Laboratories, Chicago, Ill.
Aalco Folding Loop.

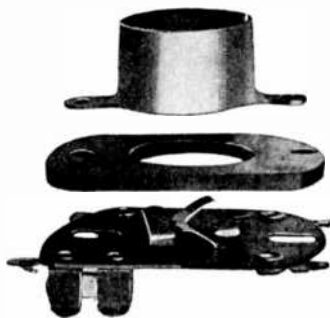
T. B. H. Radio Co., Danville, N. Y.
Viodyne Head Phones

Let Us Serve You

**Martin, Hartley and DeWitt
Sales Co.**

99 Bedford St., Boston, Mass.

TOAZ FUSOCKET



Single, or in strips of any number, or arranged on a sub-panel to your specification—with or without fuse.

Permits of sealed wiring, protecting your guarantee.

Prices and discounts upon application.



**TOAZ ENGINEERING
& SALES CO.**

11703 Robertson Ave.
Cleveland, Ohio

(Makers of Toaz Terminals)



**SOCKETS,
Single Vacuum Tube
Continued**

- Quality — see Kodol Radio Corp.
- ✓Quality Molded Products, Inc., Jersey City, N. J.
- "Ballgrip" See advertisement, page 85.
- Radlex — see Vineland Flint Glass Works
- Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.
- ✓Radio Panel & Parts Corp., 59 Warren St., New York, N. Y. See advertisement, page 90.
- Radio Sales Co., 249 W. 34th St., New York, N. Y.
- "Rit-One"
- Radion — see American Hard Rubber Co.
- Radio — see Electric City Novelty & Mfg. Co.
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- ✓Richards & Co., George, 557 W. Monroe St., Chicago, Ill. "Hemco." Cataloged opposite Inside Front Cover.
- Rit-One—see Radio Sales Co.
- Schiff Laboratories, 283 Glenwood Ave., Bloomfield, N. J.
- Seiss Mfg. Co., Phillips Ave. & N. Y. C. R. R., Toledo, Ohio. "Bull Dog Grip"
- Sen s o r y — see Heinemann Electric Co.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J.

- Shaw Insulator Co., 150 Coit St., Irvington, N. J.
- Shelbyville Radio Parts Mfg. Co., 809 S. Harrison St., Shelbyville, Ind.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- ✓Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 144.
- Splittdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J. "Audion"
- Square D Co., Detroit, Mich.
- Star Radio Products Co., 711 S. Dearborn St., Chicago, Ill.
- Stuart Products Corp., 663 W. Washington Blvd., Chicago, Ill.
- ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- ✓Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y. See advertisement, page 119.)
- Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.
- ✓Toaz Engineering & Sales Co., 11703 Robertson Ave., Cleveland, Ohio. See advertisement, page 139.
- Tuglas—see Marsden Glass Works.
- Union Radio Corp., 124 Sussex Ave., Newark, N. J.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio.

- United Radio Mfg. Co., 191 Greenwich St., New York, N. Y. "Victory"
- Un-X-Ld. — see Forman & Co.
- Victory—see United Radio Mfg. Co.
- Vineland Flint Glass Works, 1133 Broadway, New York, N. Y. "Radlex"
- Viralon—see Duray Radio Corp.
- Walbert Mfg. Co., 945 Wrightwood Ave., Chicago, Ill.
- Walwart Electric Mfg. Co., 308 Green St., Chicago, Ill.
- Waterbury Button Co., Waterbury, Conn.
- Watertown Mfg. Co., Watertown, Conn.
- White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
- Wilcox Laboratories, 323 1/2 E. Michigan Ave., Lansing, Mich.
- WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio.

**SOFT RUBBER
TUBING—**
see Tubing, Soft Rubber

- SOLDER,
Bar, Wire and Strip**
- American Solder & Flux Co., 2910 N. 16th St., Philadelphia, Pa. "Tinol"
 - ✓Belden Mfg. Co., 2320-a N. Western Ave., Chicago, Ill. See advertisement, page 183.

SOLDER,**Bar, Wire and Strip
Continued**

Brach Mfg. Co., L. S., 127
Sussex Ave., Newark, N. J.
Chicago Solder Co., 4201
Wrightwood Ave., Chicago,
Ill. "Kester"
Dutch Boy—see National
Lead Co.
Kester—see Chicago Solder
Co.
Lukens Metal Co., Thomas
F., 1105 Fairmount Ave.,
Philadelphia, Pa.
Michigan Smelting & Refin-
ing Co., 7885 Jos. Campau
Ave., Detroit, Mich.
National Lead Co., 111
Broadway, New York, N.Y.
"Dutch Boy"
Tinol—see American Solder
& Flux Co.
Tip-Top Crystal Co., 216
Market St., Newark, N. J.

SOLDER, Rosin Core—

see Solder, Bar Wire and
Strip.

SOLDER,**Self-Fluxing—**

see Solder, Bar, Wire and
Strip

**SOLDERING
COPPERS—**

see Coppers, Soldering
also Irons, Electric Solder-
ing

**SOLDERING
FLUID—**

see Flux, Soldering

SOLDERING FLUX—

see Flux, Soldering

**SOLDERING
FURNACES—**

see Furnaces, Soldering

SOLDERING IRONS—

see Irons, Electric Soldering
also Coppers, Soldering

SOLDERING LUGS—

see Terminals, Wire

SOLDERING PASTE—

see Flux, Soldering

SOLDERING SALTS—

see Flux, Soldering

SOLDERLESS**CONNECTORS—**

see Connectors, Solderless
Bus-Wire

**SPAGHETTI
TUBING—**

see Tubing, Spaghetti

SPARK COILS—

see Coils, Wireless Spark

SPARK GAPS—

see Gaps, Spark

SPEAKERS, Loud

see Horns; also Adapters,
Phonograph; also Units,
Loud Speakers.

A-C Electrical Mfg. Co., Day-
ton, Ohio
A-1 Woodworking Co., 1338
San Julian St., Los An-
geles, Cal.

Accuratone—see Mydar Radio
Co.

Ackerman Bros. Co., 301 W.
Fourth St., New York, N.Y.
"Aristocrat"

Acme Apparatus Co., 37 Os-
born St., Cambridge, Mass.
"Kleerspeaker"

Acoustic Product Corp.,
Times Bldg., New York,
N. Y.

Acousticola — see Trimm
Radio Mfg. Co.

Adler Mfg. Co., 881 Broad-
way, New York, N. Y.

"Adler-Royal"

Adler-Royal—see Adler Mfg.
Co.

Advance Radio Mfg. Co.,
1420 S. Michigan Ave.,
Chicago, Ill.

Aerial-Guitar—see Barth &
Son.

Aerodyn Co., 1780 Broadway,
New York, N. Y.

Airex Co. — see Jones
Agencies

Ajax Electric Specialty Co.,
1926 Chestnut St., St.
Louis, Mo. "Marveltone"

Alladin—see Simplex Radio
Co.

American Electric Co., 6401
S. State St., Chicago, Ill.
"Burns"

American International Trad-
ing Co., 2426 Stone St.,
New York, N. Y.

✓Amplion Corp. of America,
Suite T, 280 Madison Ave.,
New York, N. Y. "Dragon,"
"Dragonfly." See advert-
isement, page 141.

Ampliphone—see Okay Radio
Apparatus Co.

✓Apco Mfg. Co., (Radio Divi-
sion), Providence, R. I.
See advertisement, page
105.

Apollo — see Seaman-Jones
Fibre Products Co.

Aristocrat — see Ackerman
Bros. Co.

Armstrong — see McKinley
Phonograph Co.

Artone—see Berg Auto Trunk
& Specialty Co.

Astral Radio Corp., 1237 N.
Broad St., Philadelphia,
Pa.

Atlas—Colonial Corp., East
Ave. & Tenth St., Long
Island City, N. Y.

Atwater Kent Mfg. Co., 4700
Wissahickon Ave., Phila-
delphia, Pa.

Audiophone—see Bristol Co.
Audiophone—see O'Neal Mfg.
Co.

Auditorium—see Bennett &
Co.

Auth Electrical Specialty Co.,
422 E. 53d St., New York,
N. Y.

Baker-Smith Co., Call Bldg.,
San Francisco, Cal. (Sole
Distributors for Bel-Canto
Radio & Telephone Equip-
ment Co., New York, N.Y.)

Baldwin, Nathaniel, 3474 S.
23d East St., Salt Lake
City, Utah.

Barth & Son, L., 32 Cooper
Sq., New York, N. Y.
"Aerial-Guitar"

Bean—see Liberty Metal
Products Corp.

Bee-Zee Products Co., 511
Chapel St., New Haven,
Conn. "Eythor-Way"

Bel-Canto Radio & Telephone
Equipment Co.—see Baker-
Smith Co.

Belltone Radio Corp 81
Crosby St., New York, N.Y.

Bennett & Co., I. A., 112 W.
Adams St., Chicago, Ill.
"Auditorium"

✓Berg Auto Trunk & Specialty
Co., Long Island City, N. Y.

"Artone" See advert-
isement, page 147.

Berwick—see Triangle Elec-
tro Trading Co.

Betts & Betts Corp., 645 W.
43d St., New York, N. Y.
"Bettspeaker"

Bettspeaker — see Betts &
Betts Corp.

Bisby Mfg. Co., 59 Warren
St., New York, N. Y.

Black Beauty—see United
Radio Corp.

Boudette Mfg. Co., 77 Beach
St., Revere, Mass. "Sono-
chords"

Brandes Products Corp., 233
Broadway, New York, N.Y.

Bristol Co., Waterbury, Conn.
"Audiophone"

Brittania Silver Casting Co.,
93 Crosby St., New York,
N. Y. "Humantone"

Bromwell Brush & Wire
Goods Co., Third & Walnut
Sts, Cincinnati, Ohio

Brook-Rad Products Co., 677
Myrtle Ave., Brooklyn,
N. Y.

Burns—see American Elec-
tric Co

Camco—see Cannon & Miller
Co

Cannon & Miller Co., Spring-
water, N. Y. "Camco"

Carls, M. J., 1924 S. Los
Angeles St., Los Angeles,
Cal. "Golden Bear"

Charmitone—see Dual Loud
Speaker Co.

SPEAKERS, Loud
Continued

- Charmvox — see Granolite Corp.
- C I C—see Connecticut Instrument Co.
- Claravox Co., 339 W. Federal St., Youngstown, Ohio.
- Classic—see Roberts-Cohen Co.
- Classic, Jr.—see Roberts-Cohen Co.
- Clea-R-radio—see Guarantee Radio Co.
- Clearstone Radio Co., 2427 Gilbert Ave., Cincinnati, Ohio
- Como Apparatus Corp., 343 Kelley St., Manchester, N. H.
- Compressed Wood Corp., 345 W. Austin Ave., Chicago, Ill. "Madera" See advertisements, pages 70 and 142.
- Connecticut Instrument Co., 219 South St., Stamford, Conn. "C I C"
- Console Master Speaker Co., 15 E. 40th St., New York, N. Y.
- Cook, James J., 919 Madison Ave., Baltimore, Md.
- Cory & Sons, Chas., 183 Varick St., New York, N. Y. "Coryphone" "Master-tone"
- Coryphone—see Cory & Son
- Cosmopolitan Radio Appliance Co., 25 Church St., New York, N. Y.
- Crosley Radio Corp., Coalrain & Sassafras Sts., Cincinnati, Ohio. "Musicone"
- Curtis-Leger Fixture Co., 235 W. Jackson Blvd., Chicago, Ill.
- Custeloid Co., 10543 93d St., Ozone Park, L. I., N. Y. "Puratooan"
- Cygnel—see Standard Metal Mfg. Co.
- Davis Co., James M., 30 Euclid Arcade, Cleveland, Ohio "Majestic" See advertisement, page 142.
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- De Luxe—see Mercury Radio Corp.
- Del Marmol Radio-Phonograph Co., 3522 Frankford Ave., Philadelphia, Pa.
- Dexter Metal Mfg. Co., 10 S. 18th St., Philadelphia, Pa.
- Dictogrande—see Dictograph Products Corp.
- Dictograph Products Corp., 220 W. 42d St., New York, N. Y. "Dictogrande"
- Dietzen, Inc., 71 Cortlandt St., New York, N. Y.
- Dragon—see Amplion Corp. of America
- Dragonfly — see Amplion Corp. of America
- Dual Loud Speaker Co., 210 W. 54th St., New York, N. Y. "Charmitone"
- Dymac—see Electrical Products Mfg. Co.
- Echo-Tone—see Williams Radio Co.
- Ed-U-Cator—see Mersman & Co.
- Electrical Industries Mfg. Co., 326 W. 41st St., New York, N. Y. "Ultra"
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"



RADIO
Receiving Instruments



National
\$12




that in appearance, volume and quality of tone are unsurpassed.

A complete and superior line that will attract people to a dealer's store and make business profitable.

Universal Loud Speaker \$25.00
National Loud Speaker \$12.00
Phonograph Attachment \$10.00
Universal Headset \$9.50
National Headset \$6.00

If you are not familiar with our product write for particulars. A test of any one of these instruments in comparison with any other make will be convincing enough to warrant stocking the line.

The Holtzer-Cabot Electric Co.
125 Amory St., Boston, Mass. 6161 South State St., Chicago, Ill.



Alfred Graham & Co.
London, England,
Patentees

CREATED by the originators and oldest makers of loud speakers—thirty years experienced—the Amplion leads in sales throughout the world. Nationally advertised. Jobbers and dealers!—write for proposition at once.

\$12.00 LIST AND UP



Phonograph Units in Two Sizes

AMPLION
The World's Standard Loud Speaker

The AMPLION CORPORATION of AMERICA
Executive Offices: Suite T, 280 Madison Ave., New York City
Canadian Distributors: Burndept of Canada, Ltd., Toronto

Majestic Speakers

You simply cannot go wrong on this proved line because it is manufactured after much experience not only of a laboratory test but the real test—The Trade.

And priced so you may never fear a slip in price.

Write for Catalog and full description

JAMES M. DAVIS CO.

30 Euclid Arcade, Cleveland, O.

Cable Address "DAVISCO" Cleveland, O.
All Standard Codes Used.



MADERA CLEAR SPEAKERS

Horns made of compressed wood develop tone qualities far superior to others now sold. Complete with powerful unit.

MODEL 821—23-in. semi-gooseneck, 10 1/4-in. bell, Crystal black. List \$10.00.

MODEL 806—23-in. upright, 10 1/4-in. bell, Leatherette finish. List \$17.50.

MODEL 807—20 1/2-in. gooseneck, 11 1/2-in. bell, Leatherette finish. List \$22.50.
MODEL 807-DE LUXE—Mahogany. \$25.00.

MODEL 810—Solid Walnut, 15-in. x 8 1/2 x 8 1/2. Madera console horn. List \$30.00.

Compressed Wood Corp.

345 W. Austin Ave.,
Chicago, Ill.

SPEAKERS, Loud Continued

Enchanter—see Jodra Mfg. Co.

Exceltone Radio Mfg. Corp., 344 E. 32d St., New York, N. Y.

Eyther-Way—see Bee-Zee Products Co.

Farrand Mfg. Co., 23 S. Sixth St., Newark, N. J. "Godley"

Federal Telephone Mfg. Corp., Buffalo, N. Y. "Pielophone"

Flash Radio Corp., 127 Federal St., Boston, Mass.

Florentine Art Products Co., 838 Austin Ave., Chicago, Ill.

Freed-Eiseman Radio Corp., Sperry Bldg., Brooklyn, N. Y.

Frost, Herbert H., 314 W. Superior St., Chicago, Ill. "Musette"

Full-A-Tone—see Fuller Co.

Fuller Co., P. H., 365 Gerard Ave., New York, N. Y. "Full-A-Tone"

Fultone—see Hall & Wells
Gale Radio Laboratories, 2516 Irving Park Blvd., Chicago, Ill. "Town-Crier"
See advertisement, page 147.

Gem—see Standard Metal Mfg. Co.

G-G-H Majestic—see Grigsby-Grunow-Hinds Co.

Godley—see Farrand Mfg. Co.

Gold Medal—see Morris, Walter C.

Golden Bear—see Carls, M. J.

Golden Gate Brass Mfg. Co., 1243 Sutter St., San Francisco, Cal. "Thor"

Golden Tone—see Kellogg Switchboard & Supply Co.

Goldschmidt Corp., Th., 15 William St., New York, N. Y. "N & K" (Importers). See advertisement, page 144.

Graef & Trecartin, 10 Alvin Pl., Upper Montclair, N. J. "Graefone"

Graefone—see Graef & Trecartin

Grand—see Mercury Radio Corp.

Granolite Corp., 222 Fourth St., Milwaukee, Wis. "Charmvox"

Grigsby-Grunow-Hinds Co., 4540 Armitage Ave., Chicago, Ill. "G-G-H Majestic"

Gruenberg, A. T., 10715 111th St., Richmond Hill, L. I., N. Y.

Guarantee Radio Co., 1341 South Hill St., Los Angeles, Cal. "Clea-R-adio"

Guarantee Specialty Mfg. Co., 5100 Superior Ave., Cleveland, Ohio

Hall Radio Corp., Syracuse, N. Y. "Melodyne"

Hall & Wells, 128 N. Wells St., Chicago, Ill. "Fultone"

Halliwel Electric Co., 113 Fourth Ave., New York, N. Y.



MODEL A-1

Teleradio PRODUCTS

"Known for their Tone"

Model A-1 List \$15.00
Gooseneck fibre horn 11-in. bell 24 in. high. Finish—old gold on black.

Model B-1 List \$18.00
Mahogany cabinet 11x11x8, English brown finish. 10-ft. extension cord.

Model C-1 List \$10.00
Straight fibre horn, 10-in. bell, 22 in. high. English brown finish.

Model D-1 List \$5.00
Phonograph attachment, 10-ft. extension cord.

Teleradio Unit \$1.75
Adjustable type 3-in. diaphragm. 5-ft. cord. Black Japan finish.

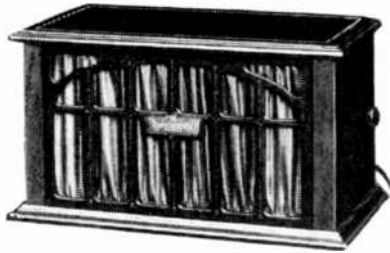
Jobbers solicited

TELERRADIO
ENGINEERING
CORPORATION

490 Broome St., New York.

R. C. EDWARDS, Pres.

American Walnut or the new Clairemount Mahogany — Top inlaid — Leather composition grill, silk drape.



Size 10¼ x 17¾ x 10 inches high. Packed in individual cartons. Price, \$40.00; west of Rockies, \$42.50.

IN Performance, it's a Superspeaker—enough said. In Appearance, it's the finest piece of Radio cabinet work you have ever seen.

See it! Listen to it! Discover for yourself that here is the Cabinet Speaker you can whole-heartedly endorse.

JEWETT RADIO & PHONOGRAPH COMPANY
5686 TELEGRAPH ROAD PONTIAC, MICHIGAN
Factories: Allegan, Michigan—Detroit, Michigan—Pontiac, Michigan

Canadian Sales Offices:
Walkerville, Ontario



Export Sales Offices:
116 Broad St., New York City

The Superspeaker Console

SPEAKERS, Loud Continued

- ✓Hamburg Bros., 420-22 Seventh Ave., Pittsburgh, Pa. "Pennsylvania" See advertisement, page 67.
- Hardsoq Mfg. Co., Ottumwa, Iowa
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- Hartford Metal Products Co., 112 Allyn St., Hartford, Conn.
- Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio
- Henry Radio Corp. of America, 4501 Malden Ave., Chicago, Ill.
- Herald Electric Co., 29 East End Ave., New York, N. Y.
- Herzog Radio Corp., 722 Atlantic Ave., Brooklyn, N. Y.
- H & H—see Hart & Hegeman Mfg. Co.
- Hipco—see Hipwell Mfg. Co.
- Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
- Hollywood—see Turner Radio Corp.
- ✓Holtzer-Cabot Electric Co., 125 Amory St., Boston, Mass. See advertisement, page 141.
- Huff, H. I., 706 N. Main St., Los Angeles, Cal. "Oven-shire Symphony"

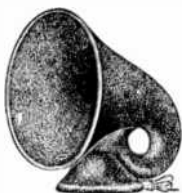
- Humantone — see Britannia Silver Casting Co.
- Illini Electric Co., 605 N. Walnut St., Champaign, Ill.
- Inter-Ocean Radio Corp., 205 Tenth St., Jersey City, N.J. "Woodehorn" "Operola"
- Inter-State Radio Co., 98 Park Pl., New York, N. Y.
- ✓Jewett Radio & Phonograph Co., 5686 Telegraph Rd., Pontiac, Mich. "Superspeaker" Cataloged on pages 125, 133A and 143.
- Jodra Mfg. Co., 61 Pier One, Seattle, Wash. "Enchanter"
- Joffe-Golbert Co., 47 W. 63d St., New York, N. Y.
- Johnstown Mfg. Co., Syracuse, N. Y.
- Jolley Radio Co., 297 Sixth Ave., New York, N. Y.
- Jones Agencies, Ed., 640 Natoma St., San Francisco, Cal., (Sole Distributors for Airex Co., New York, N. Y.)
- K-E—see Kirkman Engineering Corp.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. "Golden Tone." See Inside Back Cover.
- Kennedy Co.—see Kennedy Corp.

- Kennedy Corp., Colin B., 2017 Locust St., St. Louis, Mo. (Sole Selling Agents for Colin B. Kennedy Co., St. Louis, Mo.)
- Kilbourne & Clark Mfg. Corp., 101 Spokane St., Seattle, Wash.
- Kirkman Engineering Corp., 492 Broome St., New York, N. Y. "K-E"
- Kleerspeaker—see Acme Apparatus Co.
- Kleertone Radio Corp., 298 Church St., New York, N. Y.
- Kleretone Jr. — see Liberty Metal Products Corp.
- Kleretone Sr. — see Liberty Metal Products Corp.
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio "Quality"
- Kor-Rad Co., 151 E. 58th St., New York, N. Y. "Lafayette"
- Lafayette—see Kor-Rad Co.
- Lakeside Supply Co., 73 W. Van Buren St., Chicago, Ill.
- Liberty Metal Products Corp., Berea, Ohio. "Bean." "Kleretone Jr.," "Kleretone Sr.," "Trio"
- Little Spitfire — see Tower Mfg. Corp.
- Little Wonder — see Philmore Mfg. Co.
- Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
- Lumiere—see Victor Talking Machine Co.

NOT A LOUD SPEAKER BUT A PERFECT REPRODUCER

A ceramic horn moulded in one piece of an exact exponential form. Large permanent magnet, semi-adjustable unit with automatic stop. Manufactured by Chicago Signal Co. for

PARCELLS & COMPANY
68 W. Washington St., Chicago



TEMPLE
List \$21.00

Spartan Speaker!

The new Spartan Speaker is adjustable! Volume can be controlled. It has a pure rubber horn and a pressed metal bottom and a bakelite base—yet the list price is still only \$10.

The Spartan Automatic Plug is a 65c. seller that is holding the limelight just now.

For information about the Complete Spartan Line Write

SPARTAN ELECTRIC CORP.
99 CHAMBERS STREET, NEW YORK CITY



The New Model "S"

Strong in volume. Clear in tone. Original in shape. Economical of space. Popular in price. If your jobber is not supplied, write us.



Imported



\$12.50

LOUDSPEAKER

The Goldschmidt Corporation, Neufeldt & Kuhnke Div.
15 William St., New York City. Dept. R.T. 8

Have You Seen the New

PARAGON SIX-TUBE SET

THE best Paragon yet! Hand-somest in cabinet design. Longest in speaker range. Clearest in tone. Easiest to tune. Separate hook-up for dry and storage batteries. Write for information.

ADAMS MORGAN CO., Inc.
4 Alvin Ave., Upper Montclair, N. J.



SPEAKERS, Loud

Continued

- Madera — see Compressed Wood Corp.
Magnavox Co., 2725 E. 14th St., Oakland, Cal.
Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
Majestic—see Davis Co.
Major Speaker Co., 31 Euclid Arcade Annex, Cleveland, Ohio
Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y.
Marlote—see Marlow Co.
Marlow Co., Ernest, 613 Bangs Ave., Asbury Park, N. J. "Marlote"
✓Martin, Hartley & De Witt Sales Co., 99 Bedford St., Boston, Mass. (New England Distributors for Town Crier Speakers) See advertisement, page 139.
Marveltone—see Ajax Electric Specialty Co.
Marx, Conrad, Devoe & Judge Sts., Brooklyn, N. Y. "Tulip"
Masterola — see R-C Mills Radio Co.
Mastertone—see Cory & Son
May, D. W., 325 Central Ave., Newark, N. J. "Velvetone"
McKinley Phonograph Co., 1501 E. 55th St., Chicago, Ill. "Armstrong"
Melstersinger — see Tower Mfg. Corp.
Melody—see Roth Radio Co.
Melodyne—see Hall Radio Corp.
Melodyne Radio Co., 1457 Broadway, New York, N. Y.
Mercury Radio Corp., 87 Duane St., New York, N. Y. "De Lux," "Grand"
Mersman & Co., Ottawa, Ohio "Ed-U-Cator"
Metro—see Pal Sales Corp.
Milo Mfg. Co., 784 Broad St., Newark, N. J.
Mocking Bird—see Morrison Laboratories, Inc.
Modulator—see Union Spinning & Plating Co.
Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
Moon — see Wilson Utensil Co.
Morris, Walter C., 168 Rositer Ave., Yonkers, N. Y. "Gold Medal"
Morrison, Clarence C., 2 Stone St., New York, N. Y.
Mozart-Grand Co., 235 Elizabeth St., Newark, N. J.
Musette—see Frost, Herbert H.
Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
Musicone—see Crosley Radio Corp.
✓Mydar Radio Co., Newark, N. J. "Accuratune." See advertisements, pages 54 and 59.
Natural Voice Talking Machine & Radio Cabinet Co., Oneida, N. Y.

AUDIO ENGINEERS

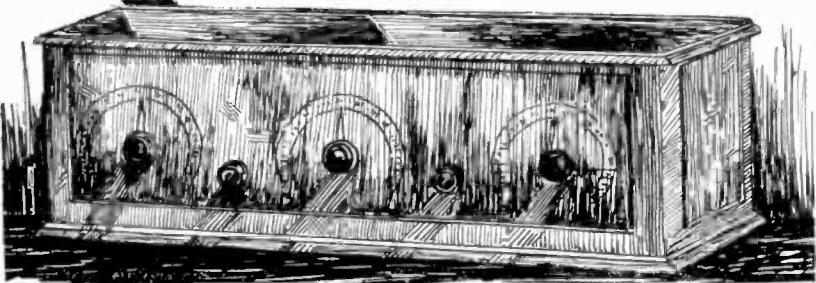
STEWART
WARNER
BALDWIN

STROMBERG
- CARLSON

KELLOGG

ATLAS
COLONIAL

ZENITH
PFANSTIEHL



Unbiased investigations of the radio market prove a constantly growing demand for quality loud speakers. Clarity of tone can only be secured thru careful study and the scientific application of this knowledge.

Newcombe-Hawley's staff of engineers are all well-known acoustic authorities. Every unit presented for their inspection is carefully analyzed and the characteristics plotted. Mathematical precision is used in the design of the horn to compensate for any of the deficiencies and any range of frequencies which the unit may not bring out is carefully built up.

Years of exhaustive laboratory research have developed the most suitable composition for the walls of the horn. This material comprises the use of wood pulp, cane fibre and a heretofore unknown hardening compound. An intermediate semi-porous center acts as an acoustic sponge for any vibration which may be caused by the hardened interior wall.

Secondary vibration, so noticeable in metal and wood horns, is entirely eliminated.

Newcombe-Hawley have earned the unqualified approval of many of the leading loud speaker manufacturers.

Correspondence is invited.

Newcombe-Hawley, Inc.

160 North La Salle Street

CHICAGO

Factory: St. Charles, Ill.

Headquarters for Quality Production

SPEAKERS, Loud Continued

- ✓Newcombe-Hawley, Inc., 160 N. La Salle St., Chicago, Ill. See advertisement, page 145.
- Newhall Chain Forge & Iron Co., 90 West St., New York, N. Y.
- N & K — see Goldschmidt Corp.
- North Lebanon Foundry, Lebanon, Pa. "Supertone"
- Okay Radio Apparatus Co., Brazil, Ind. "Ampliphone"
- O'Neil Mfg. Co., 4738 Hudson Blvd., West New York, N. J. "Audiphone"
- Operatone — see Piroxloid Products Corp.
- Operola — see Inter-Ocean Radio Corp.
- Orator Radio Corp., 54th St. & Broadway, New York, N. Y.
- Orchestrian De Luxe — see Radio Cabinet Co.
- Ovenshire Symphony — see Huff, H. I.
- Pal Radio Co.—see Pal Sales Corp.
- Pal Sales Corp., Tube Concourse Bldg., Jersey City, N. J. (Sole Sales Representatives for Pal Radio Co., Jersey City, N. J. "Metro")
- ✓Parcells & Co., 68 W. Washington St., Chicago, Ill. See advertisement, page 144.
- Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y.
- Peerless—see United Radio Corp.
- Pennsylvania — see Hamburg Bros.
- Perfectone — see Teleradio Engineering Corp.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Little Wonder"
- Piroxloid Products Corp., 200 Fifth Ave., New York, N. Y. "Operatone"
- Pleophone — see Federal Telephone Mfg. Corp.
- Portola Radio Co., 440 Market St., Philadelphia, Pa. Professional — see Voluma Products, Inc.
- Puratoan—see Custeloid Co.
- Q-R—see Robinson Specialty Co.
- Quality — see Kodel Radio Corp.
- Radiolamp — see Radiolamp Co.
- Radio Cabinet Co., 2125 Olney St., Indianapolis, Ind. "Orchestrian De Luxe"
- Radio Corp. of America, 223 Broadway, New York, N.Y. "Radiola"
- Radio Industries Corp., 131 Duane St., New York, N.Y. "Rico Melotone"
- Radiola—see Radio Corp., of America
- Radiolamp Co., 254 W. 34th St., New York, N. Y. "Radiolamp"
- Radiotive Corp., 5317 21st Ave., Brooklyn, N. Y. "Silver Voice"
- R-C-Mills Radio Corp., 303 Fourth Ave., New York, N. Y. "Masterola"
- Reflectone — see Rice & Hochster
- ✓Reichmann Co., 1925-39 W. 74th St., Chicago, Ill. "Thorophone" "Thorola" See Back Cover.
- Remo Corp., Meriden, Conn. "Remola"
- Remola—see Remo Corp.
- Rex Radio Works, 1820 Montrose Ave., Chicago, Ill.
- ✓Rhamstine, J. Thos., 508 E. Woodbridge, Detroit, Mich. "Vletohone." See advertisement, page 103.
- Rice & Hochster, 132 Washington Pl., New York, N.Y. "Reflectone"
- Rico Melotone — see Radio Industries Corp.
- Rithello Corp., 68 New Chambers St., New York, N. Y.
- Rivoli—see Vincennes Phonograph Co.
- Roberts-Cohen Co., Huntington Park, Los Angeles, Cal. "Classic" "Classic, Jr."
- Robinson Specialty Co., 13 Walnut St., Keyport, N. J. "Q-R"
- Rola Co., 4250 Hollis St., Oakland, Cal.
- Roth Radio Co., 88 W. Broadway, New York, N. Y. "Melody"
- Ryder, Joseph A., 1506 Green St., Philadelphia, Pa.
- Saal Co., H. G., 1800 Montrose Ave., Chicago, Ill.
- Schaeffer Mfg. Co., 226 W. 41st St., Portland, Ore.
- Seaman-Jones Fibre Products Co., 800 Weed St., Chicago, Ill. "Apollo"
- Serenada Co., 14 Greene St., New York, N. Y.
- Sheridan Radio Sales Co., 301 W. Fourth St., New York, N. Y.
- Silver Voice — see Radiotive Corp.
- Simplex Radio Co., Monroe & King Sts., Sandusky, Ohio. "Alladin"
- Snyder Mfg. Co., Homer P., Little Falls, N. Y.
- Society—see Superloid Mfg. Co.
- Sonochorde — see Boudette Mfg. Co.
- Sonora Phonograph Co., 279 Broadway, New York, N.Y.
- ✓Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 144.
- Splitdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J. "Splitdorfone"
- Splitdorfone — see Splitdorf-Bethlehem Electrical Co.
- Standard Metal Mfg. Co., 237 Chestnut St., Newark, N. J. "Cynet" "Gem"
- Star O Tone—see Sta Radio Co.
- Star Radio Co., 1936 Westlake Ave., Seattle, Wash. "Star O Tone" "Starola"
- Starola—see Star Radio Co.
- Starr Plano Co., First & So. A Sts., Richmond, Ind.
- Stentor—see Stentorfone Co.
- Stentorfone Co., 784 Ceres Ave., Los Angeles, Cal. "Stentor"
- Sterling Cabinet Works, 152 W. 42d St., New York, N. Y. "Strad-O-Vox"
- ✓Stewart-Warner Speedometer Cor'n., 1834 Diversey Pkwy., Chicago, Ill. See advertisement, page 129.
- Strad-O-Vox — see Sterling Cabinet Works
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
- Superloid Mfg. Co., Bridge St., Brooklyn, N. Y. "Society"
- Superspeaker — see Jewett Radio & Phonograph Co.
- Supertone — see North Lebanon Foundry
- Supreme — see Utah Radio Products Co.
- Symphony — see Wilfert, J. Fred.
- ✓Teleradio Engineering Corp., 499 Broome St., New York, N. Y. "Perfectone" Catalogued on page 142.
- ✓Telephone Corp. of America, 449-53 W. 42d St., New York, N. Y. See advertisement, page 129.
- ✓Thompson-Levering Co., 351-61 N. 57th St., Philadelphia, Pa. See advertisement, page 41.
- Thompson Mfg. Co., R. E., 30 Church St., New York, N. Y.
- Thor—see Golden Gate Brass Mfg. Co.
- Thorola—see Reichmann Co.
- Thorophone—see Reichmann Co.
- Timbretone Mfg. Co., Hoosick Falls, N. Y.
- Timmons Radio Products Corp., 339 E. Tulpehocken St., (Germantown) Philadelphia, Pa.
- Tower Mfg. Corp., 98 Brookline Ave., Boston, Mass. "Meistersinger" "Little Spitfire"
- Town-Crier—see Gale Radio Laboratories
- Triangle Electro Trading Co., 632 Broadway, New York, N. Y. "Berwick"
- Trimmi Radio Mfg. Co., 24 S. Clinton St., Chicago, Ill. "Acousticola"
- Trio — see Liberty Metal Products Corp.
- Tulp—see Marx, Conrad
- Turner Radio Corp., K. M., 1517 N. Wilton Pl. (Hollywood), Los Angeles, Cal. "Hollywood"
- Ultra — see Electrical Industries Mfg. Co.
- Union Spinning & Plating Co., 67 Sudbury St., Boston, Mass. "Modulator"
- United Radio Corp., Newark, N. J. "Black Beauty"
- United Radio Corp., 115 Caledonia St., Rochester, N. Y. "Peerless"
- Utah Radio Products Co., 1427 Michigan Ave., Chicago, Ill. "Supreme"
- Velvetone—see May, D. W.
- Victophone — see Rhamstine, J. Thos.
- Victor Talking Machine Co., Camden, N. J. "Lumiere"
- Vincennes Phonograph Co., Vincennes, Ind. "Rivoli"
- Vitalitone Sales Co., 203 Sixth Ave., New York, N. Y.
- Voluma Products, Inc., Hempstead, N. Y. "Professional"
- Warren, Jr.—see Warren Radio Phone Mfg. Co.
- Warren Radio Phone Mfg. Co., Warren, R. I. "Warren, Jr."

NO SOLDERING — LESS DRILLING
SCIENTIFICALLY BUILT



IMPROVED

radio parts

The Better Parts for Better Results

Jacks Switches Variable Condensers
Phone Plugs Vario-Couplers Rheostats
Potentiometers Grid Leaks Sockets
Inductance Switches

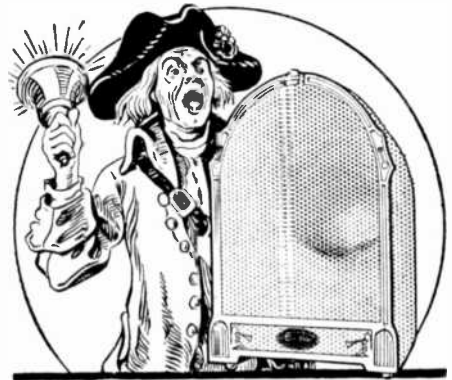
Jos. W. Jones kits and complete sets are likewise built to achieve maximum results.

Jos. W. Jones Radio Mfg. Co., Inc.,
40-42-44-46 W. 25th St., New York
(Formerly Radio Improvement Co.)

*Headed by Jos. W. Jones ... for 28 years a
successful engineer and builder of precision
instruments*

Branch Offices:

Chicago Philadelphia Boston



The TOWN CRIER
Radio's Most Beautiful Speaker

\$17.50 LIST PRICE
West of the Rockies \$18.50

Circulars describing the Golden Polychrome and Green Polychrome models of the Town Crier sent upon request.

GALE RADIO LABORATORIES
2516 Irving Park Blvd., Chicago

ARTONE SPEAKERS

and



BERG
LONG ISLAND CITY
NEW YORK

Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

—without charge, of course.

The Radio Trade Directory

JIFFY SKY HOOK



Takes the Canary out of your Antenna.

Eliminates the squeal and vibration, and the howl from your set.

It is Antenna Insurance.

Made in two sizes for all types of outdoor aerials.

No. 1 for Ribbons. \$.75

No. 2 for Stranded Wire60

Mfg. By

Apex Stamping Company
Dept. 111 Riverdale, Ill.



To help you sell more electrical appliances

Every issue of Electrical Merchandising is packed with practical ideas and usable suggestions that you'll find worth money. Every issue brings you the very latest and soundest ways of increasing merchandise sales, tried and tested plans of the country's foremost electrical dealers.

It's the leading paper on the problems of the electrical dealer and contractor. The subscription rate is \$2 a year.

Electrical Merchandising

SPEAKERS, Loud Continued

Wells Park Wonder Horn Mfg. Co., 4321 North Western Ave., Chicago, Ill. "Wonder"

Welty & Co., Wm. A., 36 S. State St., Chicago, Ill.

Western Electric Co., 100 E. 42d St., New York, N. Y.

Wheeler Mfg. Co., 970 Montana St., Chicago, Ill.

White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.

Whiteland Mfg. Corp., 1600 Chestnut Ave., Brooklyn, N. Y.

Wilfert, J. Fred., 21 Cambria St., Boston, Mass. "Symphony"

Williams Radio Co., 1440 Washington Blvd., Detroit, Mich. "Echo-Tone"

Wilson Utensil Co., 815 E. Fifth St., Dayton, Ohio "Moon"

Winterrath Composition Amplifier Co., 405 Evergreen Ave., Brooklyn, N. Y. "Wundatone"

Wonder — see Wells Park Wonder Horn Mfg. Co.

Woodhorn — see Inter-Ocean Radio Corp.

Wright Co., H. Earle, 123 Second St., San Francisco, Cal.

Wundatone — see Winterrath Composition Amplifier Co.

SPIDER WEB COILS—
see Coils, Inductance

**SPLIT
VARIOMETERS—**
see Variometers

SPRING BRASS—
see Brass and Copper,
Sheet

**SPRING CAT
WHISKER WIRE—**
see Wire, Special Cat
Whiskers

**SPRINGS,
Antenna Tension**

✓Apex Stamping Co., Dept. D, Riverdale, Ill. "Jiffy" Cataloged on pages 9, 148, 149 and 167.

Jiffy—see Apex Stamping Co. Lenz — see Permanco Mfg. Corp

Mattatuck Mfg. Co., E. Main St., Waterbury, Conn.

✓Permanco Mfg. Corp., 1114 De Kalb Ave., Brooklyn, N. Y. "Lenz" See advertisement, page 33.

Triangle Atlantic Corp., 349 Adams St., Brooklyn, N. Y.

SQUARE WIRE—
see Wire, Bus-Bar

**STABILIZERS,
Battery—**
see Potentiometers

STAMPINGS, Fibre

✓Arrow Hardware Corp., 27 Vestry St., New York, N. Y. See advertisement, page 150.

Universal Insulation Co., 215 Emmet St., Newark, N. J.

Wilmington Fibre Specialty Co., Wilmington, Del.

STAMPINGS, Metal

Aluminum Co. of America, Oliver Bldg., Pittsburgh, Pa.

American Metal Works, Stenton Ave. & Rockland St., Philadelphia, Pa.

American Ring Co., Waterbury, Conn.

✓Apex Stamping Co., Dept. D, Riverdale, Ill. "Jiffy" See advertisements, pages 9, 148, 149 and 167.

✓Arrow Hardware Corp., 27 Vestry St., New York, N. Y. See advertisement, page 150.

Atlantic Mfg. Co., Milford, Conn.

Auld Co. D. L., Fifth Ave & Fifth St., Columbus, Ohio

Stamped Metal Parts
for
RADIO

Automatic presses and facilities for all kinds of light stamping and drawing. Condenser Plates, Transformer Laminations and Covers, Lithographed Dials, etc.

Dies designed and furnished for customers' work.

High grade work at unusual prices.



Manufacturers of

Jiffy Ribbon Antenna, Blow Torch, Sky Hooks and Soldering Irons

Stamped Metal Parts
for
RADIO

Superior facilities for production of High Silicon Steel Laminations for RADIO TRANSFORMERS

**Brass and Aluminum
Condenser Plates**

Contracts solicited for deliveries of 25,000 to 500,000 pieces per day.

Dies designed and furnished for customers' work.

**The LAMINATION
STAMPING CO.**

764 Windsor St.
HARTFORD, CONN.

**STAMPINGS, Metal
Continued**

Automotive & Radio Mfg. Corp., 451 Greenwich St., New York, N. Y.
Barnes Co., Wallace, Bristol, Conn.
Bridgeport Brass Co., Bridgeport, Conn.
Bridgeport Metal Goods Co., Cherry & Pine Sts., Bridgeport, Conn.
Central Machinery & Supplies Co., 148 Chambers St., New York, N. Y.
Conrad Bros., 1609 Cooper Ave., Evergreen, L. I., N. Y.
Dallas Brass & Copper Co., 820 Orleans St., Chicago, Ill.
D. & B. Radio Service, 419 Riopelle St., Detroit, Mich.
Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
Eureka Tin Ware Mfg. Co., 629 E. 16th St., New York, N. Y.
Farrington & Co., 28 W. Grand St., Mount Vernon, N. Y.
Fenton Machine Tool & Die Co., Fenton, Mich.
Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.
Freeport Metal Products Mfg. Co., 71 Olive Blvd., Freeport, L. I., N. Y.
Funk & Shore, 50 Church St., New York, N. Y.
Gardiner & Hepburn, 21st St. & Washington Ave., Philadelphia, Pa.

Goerdes Co., Fred M., 31 Mt. Prospect Ave., Newark, N. J.
Grammes & Sons, L. F., 438 Union St., Allentown, Pa.
Gray Brothers, Plano, Ill.
Guarantee Specialty Mfg. Co., 5100 Superior Ave., Cleveland, Ohio.
Hahn Mfg. Co., Harry W., 627 San Pedro St., Los Angeles, Cal.
Hatheway Mfg. Co., Bostwick & Railroad Aves., Bridgeport, Conn.
Hubbard Spring Co., M. D., Pontiac, Mich.
Janney, Steinmetz & Co., Philadelphia, Pa.
Jiffy — see Apex Stamping Co.
Hubbard Spring Co., M. D., Pontiac, Mich.
Kings Mfg. Co., 32 33d St., Brooklyn, N. Y.
Kirchen Machine Co., 113 S. Larch St., Lansing, Mich.
Lamination Stamping Co., 764 Windsor St., Hartford, Conn. See advertisement, page 149.
Leyse Aluminum Co., Kewau-nee, Wis.
Liberty Screw Products Co., 383 Schrewsbury St., Worcester, Mass.
Lovejoy Chaplet Co., Hoosick Falls, N. Y.
Lundquist Tool & Mfg. Co., 144 Green St., Worcester, Mass.
Lyda Machine Products Co., Toledo Factories Bldg., Toledo, Ohio
Mattatuck Mfg. Co., E. Main St., Waterbury, Conn.

Mayer & Co., Geo. J., 36 S. Meridian St., Indianapolis, Ind.
✓Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.
Moeller Machine Co., 2714 S. Canal St., Chicago, Ill.
Northway Radio Co., 1093 Southern Blvd., New York, N. Y.
Novelty Mfg. Co., Waterbury, Conn.
Parker Metal Goods Co., 28 Cherry St., Worcester, Mass.
Parker White-Metal & Machine Co., Railroad & 23d Sts., Erie, Pa.
Patton-MacGuey Co., Baker St. & Virginia Ave., Providence, R. I.
Paul & Beekman Mfg. Co., 1722 N. Fifth St., Philadelphia, Pa.
Powell Iressed Steel Co., Hubbard, Ohio
Schoonmaker Insulation Co., A. O., 30 University Pl., New York, N. Y.
✓Seovill Mfg. Co., Waterbury, Conn. See advertisement, page 112.
Simmons Mfg. Co., 2405 Perkins Ave., Cleveland, Ohio
Stanley Works (Special Production Dept.) Grave & Hill Sts., New Britain, Conn.
Steele & Johnson Mfg. Co., 779 S. Main St., Waterbury, Conn.

Screw Machine Products

Brass, Steel, Bronze, Fibre and Rubber

STAMPINGS

Brass, Phosphor Bronze, Steel and Fibre

Machine and Wood Screws and Nuts*All Standard Sizes in Stock***WASHERS**

Steel, Brass, Copper and Aluminum

SPRINGS*Send Blue Prints or Samples for Our Prices***ARROW HARDWARE CORP.**

27 Vestry St., New York, N. Y.

**STAMPINGS, Metal
Continued**

- ✓Toaz Engineering & Sales
Co., 11703 Robertson Ave.,
Cleveland, Ohio. See ad-
vertisement, page 139.
- Triangle Atlantic Corp., 349
Adams St., Brooklyn, N. Y.
- Union Corp., 124 Sus-
sex Ave., Newark, N. J.
- Union Spinning & Plating
Co., 67 Sudbury St., Bos-
ton, Mass.
- United Metal Stamping &
Radio Co., 411 E. Pearl
St., Cincinnati, Ohio
- Vesco Radio Co., 6428 E.
14th St., Oakland, Cal.
- ✓Warner Brothers Co., Metal
Dept., Bridgeport, Conn.
See advertisement, page
113.
- Waterbury Mfg. Co., 236
Grant St., Waterbury,
Conn.
- Wheeler & Son, Frank, Meri-
den, Conn.

STAMPS, STEEL

- Hanson Co., C. H., 178 N.
Clark St., Chicago, Ill.
- Hoggson & Pettis Mfg. Co.,
141 Brewery St., New
Haven, Conn.
- Krautz & Co., Fred C., 2633
W. Lake St., Chicago, Ill.
- Mechanical Engraving Co.,
130 Orchard St., Newark,
N. J. "Meco"
- Meco—see Mechanical En-
graving Co.
- Meyer & Wenthe, 24 S. Jef-
ferson St., Chicago, Ill.
- Murdock Stamp & Specialty
Co., 123 W. Pearl St., Cin-
cinnati, Ohio
- Ness, Jr., Geo. M., 61 Fulton
St., New York, N. Y.
- Nobel & Westbrook Mfg. Co.,
19 Asylum St., Hartford,
Conn.
- ✓Schmidt, Inc., Geo. T., 1800
Belle Plain Ave., Chicago,
Ill. See advertisement,
page 93.
- Schwerdtle Stamp Co., 41
Cannon St., Bridgeport,
Conn.
- Stafford Co., N., 96 Fulton
St., New York, N. Y.

**STANDS, Radio—
see Tables, Radio****STAPLES, Insulated**Blake Signal & Mfg. Co., 221
High St., Boston, Mass.**STATIC CHOKERS—**

see Reducers, Static

**STATIC
ELIMINATORS—**

see Reducers, Static

STATIC FILTERS—

see Reducers, Static

STATIC REDUCERS—

see Reducers, Static

STATIC TRAPS—

see Traps, Wave

STEEL ANTENNA**WIRE—**
see Wire, Copper Clad Steel**STEEL STAMPS—**

see Stamps, Steel

STEEL TOWERS—

see Towers, Steel

STOCKS, Die

- Armstrong Bros. Tool Co.,
304 N. Francisco Ave., Chi-
cago, Ill.
- Besly & Co., Charles H., 118
N. Clinton St., Chicago, Ill.
- Erubaker & Bros., W. L., 50
Church St., New York,
N. Y.
- Conant & Donelson Co., Con-
way, Mass.
- Greenfield Tap & Die Corp.,
Greenfield, Mass.
- Russell Mfg. Co., Carpenters
Lane, Greenfield, Mass.

**STOPPING
CONDENSERS—
see Condensers, Fixed****STOPS, Switch—
see Contacts, Switch****STORAGE
BATTERIES—
see Batteries, A Storage
also Batteries, B Storage****STORAGE
BATTERIES,
Combined—
see Batteries, Combined
Charger and Storage****STORAGE
BATTERIES,
Knock Down—
see Batteries, Knock Down
Storage****STORAGE BATTERY
CHARGERS—
see Rectifiers, Bulb
also Rectifiers, Electrolytic
also Rectifiers, Motor Gen-
erator
also Rectifiers, Vibrator****STORAGE BATTERY
ELECTROLYTE—
see Electrolyte, Storage
Battery****STORAGE BATTERY
FILLERS—
see Fillers, Storage Battery****STORAGE BATTERY
PAINT—
see Paint, Storage Battery****STORAGE BATTERY
SEPARATORS—
see Separators, Wood Bat-
tery**

STORAGE BATTERY TRAYS—

see Trays, Glass Battery
also Trays, Rubber Battery

STRANDED ANTENNA WIRE—

see Wire, Single Stranded
Copper

STRANDED ENAMELED WIRE—

see Wire, Stranded Enamelled

STRIP COPPER ANTENNA WIRE—

see Wire, Flat or Strip
Copper

STRIP RUBBER—

see Solder, Bar, Wire and
Strip

STRIP SOLDER—

see Solder, Bar, Wire and
Strip

STRIPPERS, Insulation—

see Tools, Wire Stripping

STRIPS, Binding Post

Aetna Radio Panel Co., 30

Park Pl., New York, N. Y.

Ajax—see Philmore Mfg. Co.

Allied Radio Co., 108 Green-

wich St., New York, N. Y.

Amsco Products, Inc., 416

Broome St., New York,

N. Y.

Bel-Tone Radio Co., 161

Jamaica Ave., Brooklyn,

N. Y.

Cleveland Products Co., 714

Huron Rd., Cleveland, Ohio

Cortlandt Panel Engraving

Co., 81 Cortlandt St., New

York, N. Y.

✓Eby Mfg. Co., H. H., Phila-

delphia, Pa. See adver-

tisement, page 98.

Forest City Rubber Co., 1276

Ontario St., Cleveland,

Ohio

Kay Radio Co., 364 39th St.,

Brooklyn, N. Y.

✓Luzerne Rubber Co., Tren-

ton, N. J. See advertise-

ment, page 112.

National Electric Co., 165

Broadway, New York,

N. Y.

Philmore Mfg. Co., 105

Chambers St., New York,

N. Y. "Ajax"

✓Radio Panel & Parts Corp.,

59 Warren St., New York,

N. Y. See advertisement,

page 90.

Radio Sales Co., 249 W. 34th

St., New York, N. Y. "Rit-

One"

Rit-One—see Radio Sales Co.

Shaw Insulator Co., 150 Coit

St., Irvington, N. J.

Williams Radio Panel Co., 64

E. 11th St., New York,

N. Y.

STRIPS, Felt—

see Washers, Felt

SUB-PANEL BRACKETS—

see Brackets, Sub-Panel

SUB-PANELS, Wired—

see Boards, Wired Base

SUBSTITUTES, Battery—

see Rectifiers, Filament

Current Supply

also Rectifiers, Plate Cur-

rent Supply

also Rectifiers, Filament

and Plate Current Sup-

ply

SULPHURIC ACID—

see Electrolyte, Storage
Battery

SWITCH CONTACTS—

see Contacts, Switch

SWITCH LEVERS—

see Switches, Panel Lever

SWITCH POINTS—

see Contacts, Switch

SWITCH STOPS—

see Contacts, Switch

SWITCHES, Anti-Capacity—

see Switches, Cam

SWITCHES,

Automatic Antenna—

see Relays, Cut-in

SWITCHES,

Automatic Clock

A. & W. Electric Sign Co.,

2118 E. 19th St., Cleve-

land, Ohio

Berry, A. Hall, 71 Murray

St., New York, N. Y. (Sole

Distributor for Hartford

Time Switch Co., New

York, N. Y.)

D-J Time Switch Co., 1439

St. Clair Ave., Cleveland,

Ohio

General Electric Co., 1 River

Rd., Schenectady, N. Y.

Hartford Time Switch Co.,

—see Berry, A. Hall

Mercury Time Switch Co.,

832 Cherry St., Detroit,

Mich.

Paragon Electric Co., 409 S.

Dearborn St., Chicago, Ill.

Racine—see Reliance Auto-

matic Lighting Co.

Reliance Automatic Light-

ing Co., 1925 Mead St.,

Racine, Wis., "Racine"

Tork Co., 8 W. 40th St.,

New York, N. Y.

SWITCHES,**Baby Knife**

Bestone—see Hyman & Co.

Circle T—see Trumbull Elec-

tric Mfg. Co.

Frost, Herbert H., 314 W.

Superior St., Chicago, Ill.

Globe Phone Mfg. Co., Read-

ing, Mass.

Hart & Hegeman Mfg. Co.

342 Capitol Ave., Hartford,

Conn. "H & H"

✓Heinemann Electric Co.,

Philadelphia, Pa. "Sensory"

See advertisement, page

98.

H & H—see Hart & Hege-

man Mfg. Co.

Hyman & Co., Henry, 476

Broadway, New York,

N. Y. "Bestone"

Magnus Electric & Radio

Mfg. Corp., 787 E. 138th

St., New York, N. Y.

Mar-Co—see Martin-Copeland

Co.

✓Martin-Copeland Co., Provi-

dence, E. I. "Mar-Co."

See advertisement, page 69.

Morse Co., Frank W., 239

Congress St., Boston, Mass.

✓Muter Co., Leslie F., 76th

St. & Greenwood Ave.,

Chicago, Ill. See adver-

tisement, page 59.

New Haven Switch Co.,

North Haven, Conn.

Sensory—see Heinemann

Electric Co.

Trumbull Electric Mfg. Co.,

Plainville, Conn. "Circle T"

Trumbull-Vanderpool Electric

Mfg. Co., Bantam, Conn.

SWITCHES, Battery—

see Switches, Baby Knife

also Switches, Push-Pull

SWITCHES, Cam

✓Carter Radio Co., 1815 Re-

public Bldg., Chicago, Ill.

See advertisement, page 81.

Essex Mfg. Co., 117 Mulberry

St., Newark, N. J.

Federal Telephone Mfg. Corp.

Buffalo, N. Y.

General Instrument Corp., 423

Broome St., New York,

N. Y.

Leich Electric Co., Genoa,

Ill.

Mohawk Electric Corp., 2222

Diversey Parkway, Chi-

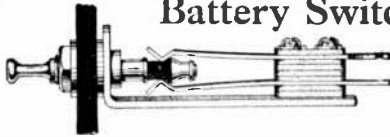
cago, Ill.

Yaxley Mfg. Co., 217 N. Des-

plaines St., Chicago, Ill.

The Adams

No. 520
List Price
75c. Each



Battery Switch

Fills a long felt need for a Real Battery Switch. Large current carrying capacity. Heavy gauge phosphor bronze springs and brass contact. The switch is self-cleaning as the continued wiping action makes corrosion or interferences by foreign matter impossible.

A trouble proof switch—Unconditionally guaranteed.

ADAMS RADIO MFG. CO.

1044 W. VAN BUREN ST., CHICAGO

SWITCHES, Clock—

see Switches, Automatic
Clock

SWITCHES, Inductance

see also Switches, Panel
Lever

- Ajax—see Philmore Mfg. Co.
- American Specialty Co., 168 Holland Ave., Bridgeport, Conn. "Kelford"
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Bestone—see Hyman & Co.
- Bruno Radio Corp., 221 Fulton St., New York, N. Y.
- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. See advertisement, page 81.
- D. & B. Radio Service, 419 Riopelle St., Detroit, Mich.
- Fada—see Andrea, F. A. D.
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
- Giffilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- H. K.—see Knoop & Pence Co.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- ✓Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- Kelford—see American Specialty Co.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Knoop & Pence Co., Peotone, Ill. "H. K."
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Mar-Co — see Martin-Copeland Co.
- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Philmore Mfg. Co., 165 Chambers St., New York, N. Y. "Ajax"

Radio Engineering Co., 16 Union Ave., New Rochelle, N. Y.

- ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
- Un-X-Ld—see Forman & Co.
- Walnut Electric Mfg. Co., 308 Green St., Chicago, Ill.
- Yaxley Mfg. Co., 217 N. Desplaines St., Chicago, Ill.

SWITCHES, Knife—

see Switches, Baby Knife
also Switches, Standard
Knife

SWITCHES, Lever—

see Switches, Panel Lever

SWITCHES, Lightning

see also Arresters, Light-
ning

- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- Barkelew Electric Mfg. Co., Middletown, Ohio
- ✓Helmemann Electric Co., Philadelphia, Pa. "Sensory" See advertisement, page 68.
- Sensory — see Helmemann Electric Co.

SWITCHES, Lock

see also Switches, Push-
Pull

- ✓Carter Radio Co., 1815 Republic Bldg., Chicago, Ill. "Imp" See advertisement, page 81.
- Cutler-Hammer Mfg. Co., Milwaukee, Wis. "Radiolac"
- Fischer Spring Co., Chas., 240 Kent Ave., Brooklyn, N. Y.
- Imp—see Carter Radio Co.
- Keelok—see Metro Electric Mfg. Co.
- ✓Metro Electric Mfg. Co., 121 Prince St., New York, N. Y. "Keelok" See advertisement, page 83.
- Radiolac — see Cutler-Hammer Mfg. Co.

SWITCHES,

Panel Lever

see also Switches, Inductance

- Aeolus Corp., 161 Grand St., New York, N. Y.
- ✓Aerovox Wireless Corp., 489-93 Broome St., New York, N. Y. See advertisement, page 38.
- A. & F. Electrical Mfg. Co., 2256 N. Keeler Ave., Chicago, Ill.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax—see Philmore Mfg. Co.
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo.
- Amsco Products, Inc., 415 Broome St., New York, N. Y.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- ✓Bennington Radio & Electric Mfg. Co., Bennington, Vt. "Bremco" See advertisement, page 138.
- Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.
- Branton, Chas. A., 813 Main St., Buffalo, N. Y.
- Bremco—see Bennington Radio & Electric Mfg. Co.
- Cnapman Machine Co., Terryville, Conn.
- ✓Chelton Electric Co., Philadelphia, Pa. See advertisement, page 43.
- De Jur Products Co., 199 Lafayette St., New York, N. Y.
- Fada—see Andrea, F. A. D.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Fixt-Post—see Mydar Radio Co.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio
- Framingham Co., 228 Howard St., Framingham, Mass.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Giffilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Green Seal — see Air-Way Electric Appliance Corp.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- ✓Helmemann Electric Co., Philadelphia, Pa. "Sensory" See advertisement, page 68.
- H & H—see Hart & Hegeman Mfg. Co.
- Hipco—see Hipwell Mfg. Co.
- Hipwell Mfg. Co., 825 North Ave., N. S., Pittsburgh, Pa. "Hipco"
- Hoosick Falls Radio Parts Mfg. Co., Hoosick Falls, N. Y.
- Howard Radio Co., 461 E. Ohio St., Chicago, Ill.
- Keystone Radio Co., College Ave. & Craig St., Greenville, Pa.
- King Quality Products, Inc., Rano St., Buffalo, N. Y.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.

Introducing
NEW MILLIMETER SNAP SWITCH

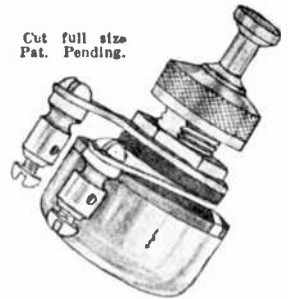


"The jack the big set makers use."
Made in five types.

Type B (as shown) List 50c.

The new Millimeter Battery Snap Switch is made either with Binding Posts, as shown, or with Soldering Lugs. Insulated Knob can be supplied to order. Bakelite insulation, enclosed self-cleaning contacts and operating mechanism, phosphor bronze springs, exposed parts heavily nickel plated. Balanced operating spring produces smooth, distinct snap and insures positive contact. Pull to connect, push to disconnect.

Cut full size
Pat. Pending.



MILLIMETER MACHINE WORKS, INC., 542-46 W. 22nd St., N. Y. C.

**SWITCHES,
Panel Lever
Continued**

- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada."
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Muzada — see Mazda Radio Mfg. Co.
- ✓Mydar Radio Co., Newark, N. J. "Flxt-Post." See advertisements, pages 54 and 59.
- Parkin Mfg. Co., Grand Ave., San Rafael, Cal.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Radio Sales Co., 249 W. 34th St., New York, N. Y. "Rit-One"
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- Rit-One — see Radio Sales Co.
- Seiss Mfg. Co., Phillips Ave. & N. Y. C. R.R., Toledo, Ohio
- Sensory — see Heinemann Electric Co.
- Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.
- Waterbury Button Co., Waterbury, Conn.

SWITCHES, Push-Pull

- ✓Adams Radio Mfg. Co., 1044 W. Van Buren St., Chicago, Ill. See advertisements, pages 84, 98 and 152.
- Ajax — see Philmore Mfg. Co.
- Allen-Bradley Co., 286 Greenfield Ave., Milwaukee, Wis. "Bradleyswitch"
- Anticap — see Sharp Spark Plug Co.
- Benjamin Electric Mfg. Co., 847 W. Jackson Blvd., Chicago, Ill.
- B. M. S. — see Brooklyn Metal Stamping Corp.
- Bradleyswitch — see Allen-Bradley Co.
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "B. M. S." Cataloged on page 82.
- Celco — see Central Engineering Laboratories

- ✓Central Engineering Laboratories, 3345 N. Lincoln St., Chicago, Ill. "Celco" See advertisement, page 166.
- Central Radio Laboratories, 301 16th St., Milwaukee, Wis. "Centralab"
- Centralab — see Central Radio Laboratories
- C-H — see Cutler-Hammer Mfg. Co.
- Chicago Electric Mfg. Co., 2801 S. Halsted St., Chicago, Ill. "Handy"
- C I C — see Connecticut Instrument Co.
- Cico — see Consolidated Instrument Co.
- Connecticut Instrument Co., 210 South St., Stamford, Conn. "C I C"
- Consolidated Instrument Co., of America, 41 E. 42d St., New York, N. Y. "Cico"
- Cutler-Hammer Mfg. Co., Milwaukee, Wis. "C-H"
- Daniel Specialty Co., 5232 Melrose Ave., Los Angeles, Cal.
- D-X Instrument Co., Union Trust Bldg., Harrisburg, Pa. "Fil-Ko"
- Edelmann & Co., E., 2332 Logan Blvd., Chicago, Ill. "Jumbo"
- Electric City Novelty & Mfg. Co., 120 Odell St., Schenectady, N. Y. "Radjo"
- Fenton, N., 57 Murray St., New York, N. Y.
- Fil-Ko — see D-X Instrument Co.
- Forest City Rubber Co., 1276 Ontario St., Cleveland, Ohio
- Frost, Herbert H., 314 W. Superior St., Chicago, Ill.
- Handy — see Chicago Electric Mfg. Co.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- H & H — see Hart & Hegeman Mfg. Co.
- Jiffy — see Premier Electric Co.
- ✓Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- Jumbo — see Edelmann & Co.
- ✓Kellogg Switchboard & Supply Co., 1086 W. Adams St., Chicago, Ill. See Inside Back Cover.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Mar-Co — see Martin-Copeland Co.

- ✓Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Muzada"
- ✓Metro Electric Mfg. Co., 121 Prince St., New York, N. Y. See advertisement, page 83.
- ✓Millimeter Machine Works, 542-46 W. 22d St., New York, N. Y. See advertisement, page 153.
- Muzada — see Mazda Radio Mfg. Co.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Preferred Radio Products Corp., 408 E. 93d St., New York, N. Y.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Jiffy"
- Prompto — see Sampter Radio Corp.
- Radjo — see Electric City Novelty & Mfg. Co.
- Sampter Radio Corp., 34 35th St., Brooklyn, N. Y. "Prompto"
- Saturn Mfg. & Sales Co., 48 Beekman St., New York, N. Y.
- Sharp Spark Plug Co., Bennett St., Wellington, Ohio "Anticap"
- Tillman Products Co., 187 W. Ninth St., Brooklyn, N. Y.
- Walbert Mfg. Co., 945 Wrightwood Ave., Chicago, Ill.

**SWITCHES,
Standard Knife**

- Adam Electric Co., Frank St. Louis, Mo. "Major"
- Barkeler Electric Mfg. Co., Middletown, Ohio.
- Circle T — see Trumbull Electric Mfg. Co.
- General Electric Co., 1 River Rd., Schenectady, N. Y.
- Major — see Adam Electric Co.
- Metropolitan Electric Mfg. Co., East Ave. & 14th St., Long Island City, N. Y. "Naro"
- Naro — see Metropolitan Electric Mfg. Co.
- Safelock — see Westinghouse Electric & Mfg. Co.

SWITCHES, Standard Knife Continued

Trumbull Electric Mfg. Co.,
Plainville, Conn. "Circle T"
Westinghouse Electric & Mfg.
Co., East Pittsburgh, Pa.
"Safelock"

SWITCHES, Time—

see Switches, Automatic
Clock

SWITCHES, Toggle Battery

✓Apco Mfg. Co. (Radio Divi-
sion), Providence, R. I.
See advertisement, page
105.
Cutler-Hammer Mfg. Co.,
Milwaukee, Wis.
H & H—see Hart & Hegem-
an Mfg. Co.
Hart & Hegeman Mfg. Co.,
342 Capitol Ave., Hart-
ford, Conn. "H & H"

SYNTHETIC CRYSTALS— see Crystals

SYNTHETIC QUARTZ INSULATION—

see Insulation, Synthetic
Quartz

SYRINGES, Hydrometer—

see Hydrometers, Battery

TABLES, Radio

A. F. M. — see Associated
Furniture Manufacturers,
Inc.
A-1 Woodworking Co., 1338
San Julian St., Los An-
geles, Cal.
Apex Electric Mfg. Co., 1410
W. 59th St., Chicago, Ill.
✓Associated Furniture Manu-
facturers, Inc., 11 E. 40th
St., New York, N. Y.
"A. F. M." See advertise-
ment, page 26.
Bay View Furniture Co.,
Holland, Mich.
Bear Furniture Co., G. H.,
Allentown, Pa.
✓Berg Auto Trunk & Specialty
Co., Long Island City, N. Y.
See advertisement, page
147.
Caswell-Runyan Co., Hunt-
ington, Ind.
Cook Co., C. A., 18 Osborne
St., Cambridge, Mass.
Elgin Phonograph & Novelty
Co., West Chicago & Union
Sts., Elgin, Ill.
Excello Products Corp., 4826
W. 16th St., Cicero, Ill.
Express Body Corp., 44 Lake
St., Crystal Lake, Ill.
Harper Mfg. Co., Cassopolis,
Mich. "Peck"
Holtzman & Sons Co., Henry,
2050 E. Main St., Colum-
bus, Ohio

Ideal Radio Cabinet Co., 281
Vermont St., Blue Island,
Ill.

Irving Furniture Factorjes,
469 Seventh Ave., New
York, N. Y.

Iveyline—see Southern Toy
Co.

Jesse Mfg. Co., John O.,
Bryan, Ohio
Kelton Mfg. Co., Worcester,
Mass.

Knoxville Table & Chair Co.,
Knoxville, Tenn.

Mueller Fountain & Fixture
Co., Decatur, Ill.

Natural Voice Talking Ma-
chine & Radio Cabinet Co.,
Oneida, N. Y.

Ogden Sectional Cabinet Co.,
700 Salem St., Lynchburg,
Va.

✓Parker-Young Co., 131 State
St., Boston, Mass. "Pyco"
See advertisement, page
167.

Peck—see Harper Mfg. Co.
Pennsylvania Lumber Sales
Co., 337 S. Broad St.,
Philadelphia, Pa. "Twodor"

Pooley Co., 16th St. &
Indiana Ave., Philadelphia,
Pa.

Price Co., Albert O., Coshoc-
ton, Ohio

Pyco—see Parker-Young Co.
Radio-Master Corp. of
America, Bay City, Mich.
Richard Mfg. Co., Winooski,
Vt.

Royal Radio Table Works,
44 Smith St., Brooklyn,
N. Y.

Salisbury Bros. Furniture
Co., Randolph, Yt.

Scheibner, C. O., Wooldridge,
Mo.

Schloss Bros., 801 E. 135th
St., New York, N. Y.

Sextro Furniture Co., Wm.,
Dalton Ave. & Wilstrach
St., Cincinnati, Ohio

Signal Electric Mfg. Co.,
1915 Broadway, Menomi-
nee, Mich. "Signola"

Signola—see Signal Electric
Mfg. Co.

Southern Toy Co., Hickory,
N. C. "Iveyline"

Stratton Radio Co., 17 Bat-
tery Pl., New York, N. Y.

Sturm Radio Cabinet Fac-
tory, 319 S. Jefferson St.,
Chicago, Ill.

Twodor—see Pennsylvania
Lumber Sales Co.

U'dell Works, 28th St. &
Barnes Ave., Indianapolis,
Ind.

Vitanola Talking Machine
Co., American Furniture
Mart Bldg., Chicago, Ill.
"Vitaradio"

Vitaradio—see Vitanola Talk-
ing Machine Co.

Whetzal, Walter M. H. 37
Plum St., Westerville, Ohio
Windsor Furniture Co., 1422
Carroll Ave., Chicago, Ill.

TAPE, Friction— see Tape, Insulating

TAPE, Insulating

Appleton Rubber Co., Frank-
lin, Mass. "O. K."
✓Belden Mfg. Co., 2320-a S.
Western Ave., Chicago, Ill.
"Beldentape." See adver-
tisement, page 183.

Beldentape—see Belden Mfg.
Co.

Boston Woven Hose & Rub-
ber Co., Cambridge, Mass.
"Bull Dog" "Evergrip"

Bull Dog—see Boston Woven
Hose & Rubber Co.

Canfield Rubber Co., Bridge-
port, Conn. "Impervo"

Chicago Mica Co., Lincoln &
Campbell Sts., Valparaiso,
Ind.

Clifton Mfg. Co., 5 Brookside
Ave., Boston, Mass.

Dielectric Mfg. Co., Vande-
venter & Duncan Ave., St.
Louis, Mo.

Dundee A & B—see Okonite
Co.

Dutch Brand—see Van Cleef
Bros.

Evergrip—see Boston Woven
Hose & Rubber Co.

Firestone Tire & Rubber Co.,
S. Main St., Akron, Ohio

General Electric Co., Bridge-
port, Conn.

Impervo—see Canfield Rub-
ber Co.

J-M—see Johns-Manville, Inc.

Johns-Manville, Inc., 296
Madison Ave., New York,
N. Y. "J-M"

Kerite Insulated Wire &
Cable Co., 30 Church St.,
New York, N. Y.

Manson—see Okonite Co.

Munsell & Co., Eugene, 68
Church St., New York,
N. Y.

O. K.—see Appleton Rubber
Co.

Okonite Co., Canal St., Pas-
saic, N. J. "Manson," "Dun-
dee A & B"

Plymouth Rubber Co., Can-
ton, Mass. "Skipknot"

Radiotape—see Respro, Inc.

Respro, Inc. (Auburn), Provi-
dence, R. I. "Radiotape"

SI—see Superior Insulating
Tape Co.

Skipknot—see Plymouth
Rubber Co.

Superior Insulating Tape Co.,
3046 Lambdin Ave., St.
Louis, Mo. "SI"

United States Rubber Co.,
1790 Broadway, New York,
N. Y.

Van Cleef Bros., Woodlawn
Ave. & 77th St., Chicago,
Ill. "Dutch Brand"

Westinghouse Electric & Mfg.
Co., East Pittsburgh, Pa.

TAPER REAMERS— see Reamers, Taper

TAPS AND DIES

Armstrong Bros. Tool Co.,
304 N. Francisco Ave.,
Chicago, Ill.

Bay State Tap & Die Co., 75
Chauncey St., Mansfield,
Mass.

Brubaker & Bros., W. L., 50
Church St., New York,
N. Y.

Butterfield & Co., (Div. Union
Twist Drill Co.), Derby
Line, Vt.

Conant & Donelson Co., Con-
way, Mass.

TAPS AND DIES**Continued**

- Detroit Twist Drill Co., 2108
W. Fort St., Detroit, Mich.
Greenfield Tap & Die Corp.,
Greenfield, Mass.
Morse Twist Drill & Machine
Co., 163 Pleasant St., New
Bedford, Mass.
Pratt & Whitney Co., Hart-
ford, Conn.
Reed & Prince Mfg. Co.,
Duncan Ave., Worcester,
Mass.
Russell Mfg. Co., Carpenters
Lane, Greenfield, Mass.
Standard Tool Co., 6900 Cen-
tral Ave., Cleveland, Ohio
Toledo Tap & Die Co., Clin-
ton St. & Oakwood Ave.,
Toledo, Ohio

TELEGRAPH KEYS—

see Keys, Transmitting

**TELEPHONE
CONNECTORS,
Multiple—**

see Boxes, Multiple Phone
also Plugs, Multiple Phone
also Posts, Multiple Con-
nection.

TELEPHONE CORD—

see Cord, Flexible Tinsel

**TELEPHONE
CORDS—**

see Cords, Telephone

**TELEPHONE
CUSHIONS—**

see Cushions, Rubber
Phone

**TELEPHONE
PLUGS—**

see Plugs, Multiple Phone
also Plugs, Single Phone

**TELEPHONE
RECEIVERS—**

see Head-Sets

**TELEPHONES,
Head—**

see Head-Sets

**TEMPLATES,
Instrument
Mounting—**

see Jigs, Mounting

**TENSION SPRINGS,
Antenna—**

see Springs, Antenna Ten-
sion

**TERMINALS,
Phone Cord—**

see Tips, Cord

TERMINALS, Wire

- Aeolus Corp., 161 Grand St.,
New York, N. Y.
Ajax—see Philmore Mfg. Co.
Amisco Products, Inc., 416
Broome St., New York,
N. Y.
✓Belden Mfg. Co., 2320-a S.
Western Ave., Chicago, Ill.
See advertisement, page
183.
De Jur Products Co., 199
Lafayette St., New York,
N. Y.
Economy Screw Corp., 5215
Ravenswood Ave., Chicago,
Ill.
General Electric Co., 1 River
Rd., Schenectady, N. Y.
Glamzo, Paul, 203 Lafayette
St., New York, N. Y.
Guarantee Specialty Mfg. Co.,
5100 Superior Ave., Cleve-
land, Ohio
Hart & Hegeman Mfg. Co.,
342 Capitol Ave., Hartford,
Conn. "H & H"
Hatheway & Co., 16 Hudson
St., New York, N. Y.
Heintz & Kohlmoos, 221 Na-
toma St., San Francisco,
Cal.
H & H—see Hart & Hege-
man Mfg. Co.
✓Liberty Transformer Co., 123
N. Sangamon St., Chicago,
Ill. See advertisement, page
39.
Morse Co., Frank W., 289
Congress St., Boston, Mass.
Patton-MacGuey Co., Baker
St. & Virginia Ave., Prov-
idence, R. I.
Philmore Mfg. Co., 105
Chambers St., New York,
N. Y. "Ajax"
Pollak Tool & Stamping Co.,
Joseph, 81 Freeport St.,
Boston, Mass.
Rajah Auto Supply Co.,
Locust Ave., Bloomfield,
N. J.
Sherman Mfg. Co., H. B.,
Battle Creek, Mich.
Stevens Co., William, 27
Hammatt Rd., Roslindale,
Mass. "Lastite"
✓Toaz Engineering & Sales
Co., 11703 Robertson Ave.,
Cleveland, Ohio. See ad-
vertisement, page 139.
Waterbury Brass Goods
Co., Waterbury, Conn.
Waterbury Button Co.,
Waterbury, Conn.
Zierick Machine Works,
F. R., 6 Howard St., New
York, N. Y.

TEST CLIPS—

see Clips Electrical Test

TEST SETS—

see Sets, Electrical Testing

TEST TUBES—

see Tubes, Glass B Battery

TESTERS, Battery—

see Hydrometers

**TESTING INSTRU-
MENTS, Electrical—**

see Sets, Electrical Test

**TESTING
LABORATORIES—**

see Laboratories, Testing

**TEXTILE HORNS,
Impregnated—**

see Horns, Impregnated
Textile

TIME SWITCHES—

see Switches, Automatic
Clock

TIN FOIL—

see Foil, Tin

**TINNED COPPER
ANTENNA WIRE—**

see Wire, Single Strand
Copper

TINSEL CORD—

see Cord, Flexible Tinsel

TIPS, Cord

- For Tip Jacks—see Jacks,
Cord Tip
Ajax—see Philmore Mfg. Co.
Barkelew Electric Mfg. Co.,
Middletown, Ohio
✓Belden Mfg. Co., 2320-a S.
Western Ave., Chicago, Ill.
See advertisement, page
183.
Carey & Son, F. W., Warren,
Mass.

AMERTRAN AUDIO TRANSFORMERS

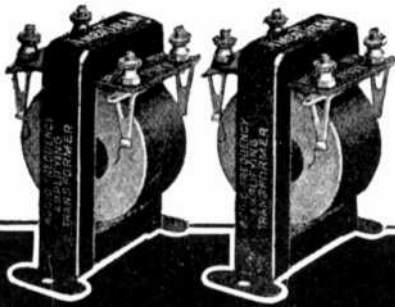
AMERTRANS continue from month to month as one of the *best* selling audio transformers.

There is ample volume, and the "tone-keen" characteristic of AMERTRANS furnishes a pleasant, distinct reception value—most appreciated by the critical listener.

In fact, there is no more efficient and permanent working part in any set than a pair of AMERTRANS.

They are made in two types—one quality—Type A F 6, ratio 5:1, and Type A F 7, ratio 3½:1. Price either model, \$7.00.

AMERTRANS are sold only through Authorized AMERTRAN Dealers. You will be interested in our dealer proposition.



American Transformer Co.
NEWARK, N. J.

*"Transformer builders for over
twenty-four years"*

AMERTRAN
TRADE MARK REG. U. S. PAT. OFF.

TIPS, Cord Continued

Illinois Radio Co., Springfield, Ill.
Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"

TOGGLE BATTERY SWITCHES—

see Switches, Toggle Battery

TONE ARMS, Phonograph —

see Adapters, Phonograph

TOOLS, Bezel Beading

Dunham, D. F., 3941 Cumberland Ave., Los Angeles, Cal.

✓Stevens & Co., 375 Broadway, New York, N. Y. Catalogued on page 186.

TOOLS,

Bus Bar Bending

Bend-Rite—see Nestor Mfg. Co.

Continental Sales Co., 77 W. Washington St., Chicago, Ill.

Nestor Mfg. Co., 40 W. 13th St., New York "Bend-Rite"
North Bros. Mfg. Co., American & Lehigh Aves., Philadelphia, Pa. "Yankee"

Radlogem Corp., 66 West Broadway, New York, N. Y. "Ragemco"
Ragemco — see Radlogem Corp.

✓Stevens & Co., 375 Broadway, New York, N. Y. Catalogued on page 186.
Yankee — see North Bros. Mfg. Co.

TOOLS,

Condenser Cleaning—

see Cleaners, Condenser

TOOLS, Wire Stripping

Bard-Parker Co., 150 Lafayette St., New York, N. Y.

B & E—see Erbc Co., Inc.

Erbc Co., Inc., 125 Church St., N. Y. "B & E"

✓Stevens & Co., 375 Broadway, New York, N. Y. Catalogued on page 186.

TORCHES, Alcohol

✓Apex Stamping Co., Dept D., Riverdale, Ill. "Jiffy" See advertisements, pages 9, 148, 149 and 167.

Brach Mfg. Co., L. S., 127 Sussex Ave., Newark, N. J.
Duplex—see Peerblow Mfg. Co.

Gaffney Co., Jas. A., 35 Warren St., New York, N. Y.
Hunt-Lasher Co., 202 Harrison Ave., Boston, Mass.

"Selfblo"
Jiffy—see Apex Stamping Co.
Lenk Mfg. Co., 34 Portland St., Boston, Mass.
Peerblow Mfg. Co., Leetsdale, Pa. "Duplex"

Selfblo—see Hunt-Lasher Co.

TORCHES, Blow—

see Torches, Alcohol

TOROIDAL COILS—

see Transformers, Tuned
Radio Frequency

TOWERS, Steel

For Steel Poles
—see Poles, Steel

Aermotor Co., 2500 W. Roosevelt Rd., Chicago, Ill.

Archbold-Brady Co., Syracuse, N. Y.

Burrell Co., J. R., 714 Cambridge Ave., Milwaukee, Wis. "Eagle"

Coombs & Co., R. D., 30 Church St., New York, N. Y.

Eagle—see Burrell Co.

**TOWERS, Steel
Continued**

Hercules—see Hull & Co.
Hull & Co., S. D., 2048 E.
79th St., Cleveland, Ohio.
"Hercules"
Milliken Bros. Mfg. Co.,
Woolworth Bldg., New
York, N. Y.
Pacific Coast Steel Co., Ri-
alto Bldg., San Francisco,
Cal.
Riter-Conley Co., Pittsburgh,
Pa.
Stover Mfg. & Engine Co.,
Freeport, Ill. "Windmill"
Windmill—see Stover Mfg. &
Engine Co.

**TRANSFERS,
Decalcomania**

Bruno Radio Corp., 221 Ful-
ton St., New York, N. Y.
Cherington Radio Industries,
Waukegon, Ill. "Engravo"
Commerford Co., 446 Adel-
phia St., Brooklyn, N. Y.
Engravo—see Cherington
Radio Industries
Kwik-Way—see Meyercord
Co.
Meyercord Co., 131 W. Wash-
ington St., Chicago, Ill.
"Kwik-Way"
National Decalcomania Corp.,
236 N. 60th St., Philadel-
phia, Pa.
Nu-Life Auto Aid Co., Hart-
ford, Conn.
Palm Brothers Decalcomania
Co. (South Norwood), Clin-
cinnatl, Ohio
Palm, Fecthler Co., 67 Fifth
Ave., New York, N. Y.

**TRANSFERS,
Engraving—**

see Transfers, Decalco-
mania

**TRANSFORMERS,
Audio Frequency**

Acme Apparatus Co., 37 Os-
born St., Cambridge, Mass.
Adams Morgan Co., 4 Alvin
Ave., Upper Montclair, N.J.
"Paragon." See advertise-
ment, page 144.
Advance Radio Mfg. Co.,
1420 S. Michigan Ave.,
Chicago, Ill.
Air-Way Electric Appliance
Corp., 618 Broadway, To-
ledo, Ohio "Green Seal"
Akracy—see Sunbeam Radio
Corp.
All-American Radio Corp.,
4221 W. Belmont Ave.,
Chicago, Ill. "Rauland-
Lyric"
Amaco—see American Appa-
ratus Co.
Ambassador Sales Co., 108
Greenwich St., New York
N. Y.
American Apparatus Co., 30
N. 19th St., Richmond, Ind.
"Amaco"



*The Pacent
Superaudioformer*

The No. 27 Super-audioformer, the giant brother of the No. 26 Audioformer. Ratio 3 to 1: Uniform amplification down to 100 cycles and up to 8,000 cycles: Insulation to stand plate potentials up to 500 volts.

Cat. Nos. 27A, 27B Input or Output Superaudioformer Unmounted.....	\$6.00
Mounted.....	7.50

We still make the finest small transformer, ideal for space economy.

Cat. No. 26. Improved Audioformer Mounted.....	\$5.00
---	--------

Manufacturers—Dealers—Jobbers

Write for full details of the Pacent Line.

PACENT ELECTRIC COMPANY, Inc.
91 Seventh Ave., New York City

Washington
Minneapolis
Boston
San Francisco
Chicago
Birmingham

Detroit
Pittsburgh
Philadelphia
St. Louis
Buffalo
Jacksonville

Canadian Licensees: White Radio Ltd., Hamilton, Ont.

DON'T IMPROVISE — PACENTIZE



Push Pull Amplification

Is Absolutely Necessary for

Good Reception

In Every Set

CRESCENT Audio Frequency Transformers

were designed by experts of years standing in the art of transformer building. In this type of transformer is combined all the very latest developments that scientific research and engineering skill have been able to develop. Special effort has been directed to producing a transformer that would yield the very utmost volume of amplification in a practically flat top audibility curve over the entire range of useful frequencies.

Crescent Push Pull, per pair \$8.50
Crescent Audio (3½ to 1 Ratio) \$2.95
5 PR. PUSH PULL OR 10 AUDIO TO STD. PKG.

Catalogue on Request

Crescent Mfg. Co.
No. 337, Central Station
TOLEDO, OHIO
U. S. A.

Quality Amplification



KARAS Harmonik Audio Frequency Transformers

—the transformer which in one season took the whole country by storm, and revolutionized all old ideas of the musical possibilities of radio reception.

Endorsed by leading engineers and technical editors as the pinnacle of perfection in audio frequency amplification. Used exclusively by home building experts who are in touch with the latest developments and demand the best.



Marvelous Musical Reception

Karas Engineers solved for the first time, the problem of amplifying high, low, and medium audio frequencies to an equal degree. As a result, Karas Harmonik Transformers are the means of bringing out bass notes in their full strength and rich tone quality. The vital harmonics and rich overtones, formerly lost in amplifying radio reception, are all retained in their natural beauty. The radio music you hear in your

home is the same music played in the studio. When Karas Harmoniks are used for amplification, even music critics find it a delightful pleasure to listen to the music that pours forth from the loud speaker.

Karas Harmoniks are made in only one All Stage Ratio. "What's right for the first stage is right for the second." The price is \$7 each. No store claiming to carry quality radio merchandise can afford to be without this masterpiece of transformers.

KARAS ELECTRIC CO.
4040 N. Rockwell St., Chicago



AUDIO TRANSFORMERS

Standard ratios on both supertrans 5 to 1 and 3½ to 1. Excellent results with amplifying tube.



The Supertran achieves its unique characteristics of splendid clarity with unusual volume by a certain combination of turn ratio with inductance, capacity and quality of core laminations.

Write any of these distributors—

Beckley Ralston, 1801 Michigan Ave., Chicago, Ill.
Wetmore-Savage Co., Boston, Mass.
Gray Sales Co., 611 Weidener Bldg., Philadelphia, Pa.
Ex-Cel-All Radio Co., Bloomfield, N. J.
Radio Ltd., 497 Philips Sq., Montreal, Canada
Coast Radio Supply Co., 648 Howard St., San Francisco, Cal.

Manufactured by

FORD RADIO & MICA CORP.
33 East 8th Street, New York City

TRANSFORMERS, Audio Frequency Continued

American Specialty Co., 168 Holland Ave., Bridgeport, Conn. "Kelford"

✓American Transformer Co., Newark, N. J. "AmerTran." Cataloged on page 156.

AmerTran—see American Transformer Co.

Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"

✓Anylite Electric Co., Fort Wayne, Ind. "King Cole" See advertisement, page 122.

✓Apco Mfg. Co. (Radio Division), Providence, R. I. See advertisement, page 105.

Apex Electric Mfg. Co., 1410 W. 59th St., Chicago, Ill. "Microdyne"

Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.

Benwood-Linze Co., 1129 Olive St., St. Louis, Mo.

Bestone—see Hyman & Co.

Betts & Betts Corp., 615 W. 43d St., New York, N. Y.

Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.

Brands Products Corp., 233 Broadway, New York, N. Y.

Branston, Chas. A., 813 Main St., Buffalo, N. Y.

Breco—see Bronx Radio Equipment Co.

Bronx Radio Equipment Co., 687 Courtlandt St., New York, N. Y. "Breco"

Brook-Rad Products Co., 577 Myrtle Ave., Brooklyn, N. Y.

Campbell Mfg. Co., Lynn, Mass.

Cardwell Mfg. Corp., Allen D., 81 Prospect Ave., Brooklyn, N. Y.

Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.

Columbia Radio Corp., 155 N. Union St., Chicago, Ill.

Como Apparatus Corp., 343 Kelley St., Manchester, N. H.

Connecticut Telephone & Electric Co., 70 Britannia St., Meriden, Conn.

Consomello—see Mazda Radio Mfg. Co.

Conrad Bros., 1609 Cooper Ave., Evergreen, L. I., N. Y.

✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.

✓Crescent Mfg. Co., No. 337 Central Station, Toledo, Ohio. See advertisement, page 157.

Danotran—see Ipsen, Henrik

Day-Fan—see Dayton Fan & Motor Co.

Dayton Fan & Motor Co., Dayton, Ohio "Day-Fan"

DeForest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.

Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.

Doran & Sons, James C., 150 Chestnut St., Providence, R. I. "Equi-Flux"

Dymac—see Electrical Products Mfg. Co.

TRANSFORMERS, Audio Frequency Continued

- Eagle Mfg. Co., 72 York St., Jersey City, N. J. "Emcotran"
- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
- Eldredge Electric Mfg. Co., 3 Post Office Sq., Springfield, Mass.
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Eloc Radio Corp., 88 E. Kinney St., Newark, N. J.
- Emcotran—see Eagle Mfg. Co.
- Endly, C. C., 22 Sturges Ave., Mansfield, Ohio
- Equi-Flux—see Doran & Sons.
- Erla—see Electrical Research Laboratories
- Essex Mfg. Co., 117 Mulberry St., Newark, N. J.
- Fada—see Andrea, F. A. D.
- Farrand Mfg. Co., 28 S. Sixth St., Newark, N. J. "Godley"
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Firth Radio Corp., 25 Beaver St., New York, N. Y.
- F. M. C.—see Ford Radio & Mica Corp.
- ✓ Ford Radio & Mica Corp., 33 E. Eighth St., New York, N. Y. "Supertran" "F. M. C."—see advertisement, page 158.
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
- Frederick—Eisemann Radio Corp., Sperry Bldg., Brooklyn, N. Y.
- General Instrument Corp., 423 Broome St., New York, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Giblin—see Standard Radio & Electric Co.
- Gillilan Bros., 1815 W. 16th St., Los Angeles, Cal.
- Godley—see Farrand Mfg. Co.
- Green Seal—see Air-Way Electric Appliance Corp.
- Haldorson Co., 1772 Wilson Ave., Chicago, Ill.
- Hansen Co., 1772 Wilson Ave., Chicago, Ill. "Republic"
- Harkness Radio Corp., Kenneth, 727 Frelinghuysen Ave., Newark, N. J.
- Harmonik—see Karas Electric Co.
- Hart & Hegeman Mfg. Co., 312 Capitol Ave., Hartford, Conn. "H & H"
- Haynes-Griffin Radio Service—see Tested Radio Products
- Hegehog—see Premier Electric Co.
- H & H—see Hart & Hegeman Mfg. Co.
- Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill.
- Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
- Hyperdyne—see Indiana Mfg. & Electric Co.

PEERLESS

Audio Transformers

for Set Manufacturers
for Home Builders

Greater Volume Clearer Reproduction

There are over 15 different Peerless Transformers for set manufacturers to choose from. Transformers are also made to your specifications.

Peerless can satisfy your requirements in quality and price.

Standard Peerless Transformers are retailed at prices from \$1 up

PEERLESS

RADIO CORPORATION

Newton Lower Falls, BOSTON, MASS.

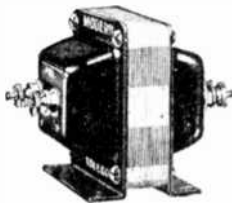
MODERN

Push-Pull

Transformers

were the first Push-Pull transformers to be offered the public and they have stood the test of time. They are packed in matched pairs, one input No. 112 and one output No. 113. They make any set better and no set is complete without them. Amplification and tone qualities are unsurpassed. These are the genuine original Push-Pull transformers. Price per pair \$12.50.

MODERN transformers are manufactured from the very highest grade material obtainable by careful experienced engineers under ideal conditions.



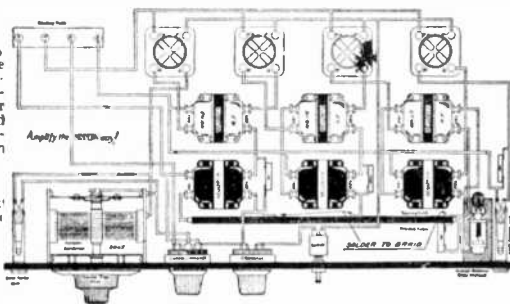
Each coil is wound in our own daylight plant on our own specially designed winding machines. Triple testing before shipment insures perfect satisfaction to the purchaser.

No. 110
MODERN Audio Transformer. Ratio 4 to 1 is especially designed for use in all circuits where one or more stages of amplification is desired.
 Price\$5.00

No. 115
MODERN Radio Frequency Transformer. Especially designed for use in the MODERN Super-Six "REFLEX" circuit or for use over a definite band of wave lengths, of from two to six hundred meters and for broadcast reception.
 Price\$5.00

No. 111
MODERN Audio Transformer. Ratio 10 to 1. For use in single stage amplifiers and one or two tube reflex circuits where a higher secondary reactance is desirable. More volume is assured.
 Price\$5.50

This circuit is by far the most efficient circuit ever developed for operation with a few or ten, a volume, selectivity and distance are yours



Large size constructional bulletin, wiring diagram and list of parts necessary to build this set sent upon receipt of 4c. In stamps to cover cost and mailing.

REPLACEMENT POLICY

Dealers and Jobbers are requested to advise users to return all seemingly defective transformers direct to the manufacturer where a service department is maintained and where replacement or adjustment will be made such as the conditions warrant

The Modern Electric Mfg. Co.

Builders of Transformers Exclusively

Toledo, Ohio

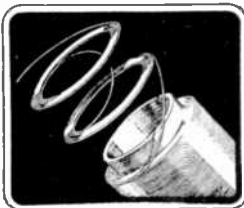
WRITE FOR CATALOGUE

TRANSFORMERS, Audio Frequency Continued

- Illini Electric Co., 605 N. Walnut St., Campaign, Ill.
- Indiana Mfg. & Electric Co., 30th & Adams Sts., Marion, Ind. "Hyperdyne"
- Inter-State Radio Co., 98 Park Pl., New York, N. Y.
- Ipsen, Henrik, 69 Liberty St., Brooklyn, N. Y. "Danotran"
- Jefferson Electric Mfg. Co., 501 S. Green St., Chicago, Ill.
- ✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
- ✓ Kurus Electric Co., 4040 N. Rockwell St., Chicago, Ill. "Harmonik" See advertisement, page 158.
- Kardon Products Co., 451 Greenwich St., New York, N. Y.
- Kelford—see American Specialty Co.
- ✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
- ✓ Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130 A.
- Kenyon Mfg. Co., 2360 Amsterdam Ave., New York, N. Y.
- Killark Electric Mfg. Co., 3940 Easton Ave., St. Louis, Mo.
- King Cole—see Anylite Electric Co.
- Kodel Radio Corp., 507 E. Pearl St., Cincinnati, Ohio
- Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"
- Lemco—see Lee Electric & Mfg. Co.
- ✓ Liberty Transformer Co., 123 N. Sangamon St., Chicago, Ill. See advertisement, page 39.
- Longoria—see Sterling Electrical Corp.
- Magnaformer—see Magnus Electric & Radio Mfg. Corp.
- Magnus, Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y. "Magnaformer"
- Mar-Co—see Martin-Copeland Co.
- Marle Engineering Co., Orange, N. J.
- ✓ Martin-Copeland Co., Providence, R. I. "Mar-Co" See advertisement, page 69.
- Maxum Radio & Electric Co., 54th St. & Woodland Ave., Philadelphia, Pa.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Consomello."
- Meloformer—see Robertson-Davis Co.
- Microdyne—see Apex Electric Mfg. Co.
- ✓ Modern Electric Mfg. Co., Toledo, Ohio. See advertisement, page 160.
- Montrose Radio Laboratories, 1333 Fulton St., Brooklyn, N. Y. "M. R. L."
- Morton & Borks, Stockton, Cal.
- M. R. L.—See Montrose Radio Laboratories

TRANSFORMERS, Audio Frequency Continued

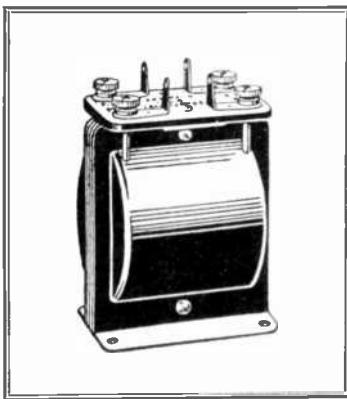
- Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
- National Transformer Mfg. Co., 156 Whiting St., Chicago, Ill.
- New York Coil Co., 338 Pearl St., New York, N. Y.
- Northwestern Radio Mfg. Co., 1556 E. Taylor St., Portland, Ore.
- ✓Parent Electric Co., 91 Seventh Ave., New York, N.Y. See advertisements, pages 97 and 157.
- Paragon—see Adams Morgan Co.
- ✓Peerless Radio Corp., Newton Lower Falls, Mass. "Twin-Aud." See advertisement, page 159.
- Precise Mfg. Corp., 254 Mill St., Rochester, N. Y.
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Hegehog"
- Radiclear—see Taylor Electric Co.
- Radio Receptor Co., 106 Seventh Ave., New York, N. Y. "Receptrad Silvertone"
- Radio Television Co., 9410 St. Catherine Ave., Cleveland, Ohio
- Rauland-Lyric—see All-American Radio Corp.
- Raven Radio, Inc., Cobleskill, N. Y.
- Receptrad Silvertone—see Radio Receptor Co.
- Reliable Parts Mfg. Co., 2819 Prospect Ave., Cleveland, Ohio
- Republic—see Hansen Co.
- ✓Rhamstine, J. Thos., 508 E. Woodbridge, Detroit, Mich. See advertisement, page 103.
- Rittenhouse Mfg. Co., Honeye Falls, N. Y.
- Robertson-Davis Co., 412 Orleans St., Chicago, Ill. "Meloformer"
- Rubicon Co., 29 N. Sixth St., Philadelphia, Pa.
- Sampter Radio Corp., 34 35th St., Brooklyn, N. Y. "Selec-Tran"
- ✓Samson Electric Co. (Radio Division) Canton, Mass. See advertisement, page 161.
- Scientific Equipment Co., 393 N. Maple Ave., Ridgewood, N. J.
- Selec-Tran—see Sampter Radio Corp.
- Shamrock-Harkness—see Shamrock Mfg. Co.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J. "Shamrock-Harkness"
- Sherman Radio Mfg. Corp., 112 Trinity Pl., New York, N. Y. "ShermaTran"
- ShermaTran—see Sherman Radio Mfg. Corp.
- Shore Electric Co., 61 University Pl., New York, N. Y.
- Splitdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Standard Radio & Electric Co., 90 Bayley St., Pawtucket, R. I. "Giblin"
- Standard Transformer Co., Dana Ave., Warren, Ohio



HELICAL WOUND COILS

Samson
HW-A2
AUDIO FREQUENCY
Transformer

A Sound Article Well Advertised and Merchandised Cleanly



This is
but one
of our
**Quality
Radio
Products**

*Send for
Catalogue*

Our Authorized Dealer
and Distributor's Propositions
Will Interest You

SAMSON ELECTRIC CO.

RADIO DIVISION
Canton, Mass.

TRANSFORMERS, Audio Frequency Continued

- ✓Starr Equipment Corp., 370 Hamilton Ave., Brooklyn, N. Y. See advertisement, page 163.
- States Co., 10 New Park Ave., Hartford, Conn.
- Sterling Electrical Corp., 2711 Church Ave., Cleveland, Ohio "Longoria"
- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
- Stromberg-Carlson Telephone Mfg. Co., 1060 University Ave., Rochester, N. Y.
- Sunbeam Radio Corp., 1834 Broadway, New York, N. Y. "Akracy"
- Supertran—see Ford Radio & Mica Co.
- Taylor Electric Co., 1208 Broad St., Providence, R. I. "Radiclear"
- ✓Teleradio Engineering Corp., 490 Broome St., New York, N. Y. Cataloged on page 142.
- ✓Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.
- Twin-Aud—see Peerless Radio Corp.
- United Manufacturing & Distributing Co., 9705 Cottage Grove Ave., Chicago, Ill.
- Un-X-I'd — see Forman & Co.
- Veco—see Viking Electric Co.
- Viking Electric Co., 150 Chambers St., New York, N. Y. "Veco"
- Wagner Co., Arthur, 701 W. Washington Blvd., Chicago, Ill.
- White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
- Wireless Shop, 150 Glendale Blvd., Los Angeles, Cal.

TRANSFORMERS, Microphone

- Radio Corp. of America, 233 Broadway, New York, N. Y.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.

TRANSFORMERS, Modulation

- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- General Radio Co., 11 Windsor St., Cambridge, Mass.
- Miller Co., Bertrand F., High & Canal Sts., Trenton, N. J.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.

TRANSFORMERS, Oscillation

- Radio Corp. of America, 233 Broadway, New York, N. Y.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.

TRANSFORMERS, Power

- For Filament and Plate Current Supply in Transmitting Sets.*
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- Federal Telephone & Telegraph Co., Buffalo, N. Y.
- Miller Co., Bertrand F., High & Canal Sts., Trenton, N. J.
- Radio Corp. of America, 233 Broadway, New York, N. Y.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.

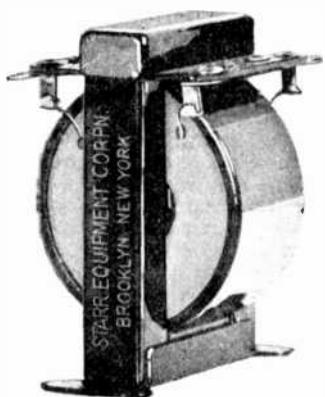
TRANSFORMERS, Push Pull

- All-American Radio Corp., 4221 W. Belmont Ave., (Chicago, Ill.
- Como Apparatus Corp., 343 Kelley St., Manchester, N. H.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
- Erla—see Electrical Research Laboratories.
- Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
- H & H—see Hart & Hegeman Mfg. Co.
- ✓Modern Electric Mfg. Co., Toledo, Ohio. See advertisement, page 160.
- ✓Peerless Radio Corp., Newton Lower Falls, Mass. See advertisement, page 159.
- Precise Mfg. Corp., 254 Mill St., Rochester, N. Y.
- Rubicon Co., 29 N. Sixth St., Philadelphia, Pa.
- ✓Samson Electric Co., (Radio Division) Canton, Mass. See advertisement, page 161.
- Thordarson Electric Mfg. Co., 500 W. Huron St., Chicago, Ill.

TRANSFORMERS, Radio Frequency

- A-C Electrical Mfg. Co., Dayton, Ohio
- Acme Apparatus Co., 37 Osborn St., Cambridge, Mass.
- Airkore — see Radiophone Equipment Co.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- Ajax Electric Specialty Co., 1926 Chestnut St., St. Louis, Mo. "Prirad"
- All-American Radio Corp., 4221 W. Belmont Ave., Chicago, Ill.

- Amaco—see American Apparatus Co.
- American Apparatus Co., 30 N. 19th St., Richmond, Ind. "Amaco"
- Apex Electric Mfg. Co., 1410 W. 59th St., Chicago, Ill. "Microdyne"
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Baldwin-Pacific & Co., Pacific Bldg., San Francisco, Cal.
- Baldwin Radio Electrical Mfg. Co., 684 Bergen St., Brooklyn, N. Y.
- Ballantine — see Boonton Rubber Mfg. Co.
- Basco—see Briggs & Stratton Co.
- Benson Engineering Co., 2125 N. Halsted St., Chicago, Ill.
- Bestone—see Hyman & Co.
- B. M. S.—see Brooklyn Metal Stamping Corp.
- Boone Radio Corp., J. T., 3469 E. Jefferson Ave., Detroit, Mich.
- Boonton Radio Corp., 724 Fanny Rd., Boonton, N. J.
- Boonton Rubber Mfg. Co., 624 Fanny Rd., Boonton, N. J. "Ballantine"
- Branston, Chas. A., 813 Main St., Buffalo, N. Y.
- ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B. T." See advertisements, pages 41, 53, 117 and 165.
- Briggs & Stratton Co., Milwaukee, Wis. "Basco"
- ✓Brooklyn Metal Stamping Corp., 718 Atlantic Ave., Brooklyn, N. Y. "Tri-Coil" "B. M. S." Cataloged on page 82.
- B. T. — see Bremer-Tully Mfg. Co.
- Celco—see Central Engineering Laboratories.
- ✓Central Engineering Laboratories, 3345 N. Lincoln St., Chicago, Ill. "Celco" See advertisement, page 166.
- Cleveland Products Co., 714 Huron Rd., Cleveland, Ohio
- Columbia Radio Corp., 155 N. Union St., Chicago, Ill.
- Como Apparatus Corp., 343 Kelley St., Manchester, N. H.
- ✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.
- Cruiser—see National Transformer Mfg. Co.
- Dalton — Whittier True Co., 2905 W. Madison St., Chicago, Ill. "Estru"
- Daniel Specialty Co., 5232 Melrose Ave., Los Angeles, Cal.
- Davidson Radio Corp., 222 Fulton St., New York, N. Y. "Rasla"
- Day Fan—see Dayton Fan & Motor Co.
- Dayton Fan & Motor Co., Dayton, Ohio "Day-Fan"
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- ✓Dubilier Condenser & Radio Corp., Bronx Blvd. & 238th St., New York, N. Y. "Duratran." See advertisement, page 37.
- Duratran—see Dubilier Condenser & Radio Corp.
- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
- Electric Appliance Co., Electric Appliance Bldg., San Francisco, Cal.



*The Transformer with the Widest Range
of Frequencies*

STARR TRANSFORMERS

Here is the outstanding transformer of the radio world. It covers a band of frequencies from 60 to 16,000 without distortion. Therefore it reproduces sound, from the deepest organ tone to the highest note on the violin "E" string, with absolute fidelity. It has extraordinary tone quality and the greatest volume without distortion.

Many of the best known and most widely demanded Nationally sold sets owe much of their popularity to the tone quality resulting from STARR transformers.

Its quality of material and workmanship insure its absolute dependability. Largest production in the East insures immediate and uninterrupted delivery.

TEST THEM IN YOUR SET and COMPARE RESULTS

NOTE:—The STARR equipment enables us to produce transformers in any quantity based upon your own specifications, or specially built to give maximum results on your set.

STARR EQUIPMENT CORPORATION
370 Hamilton Ave., Brooklyn, N. Y.

No Missionary Work Needed

S-M PRODUCTS have a proven record of performance. Designed by one of the country's leading radio engineers, and backed by national advertising, this line is now available to legitimate jobbers and dealers on a protective basis. No missionary work is necessary. Thousands of fans have been boosters for over a year, and their unqualified approval is evident in the high number of re-orders.

Long Wave Transformers

Silver-Marshall Long Wave Transformers, in the attractive new bakelite case, supply the demand for a transformer with definitely known characteristics. Their use in any super-heterodyne will increase its efficiency by 75 per cent or more. Each transformer comes with its individual amplification curve on a tag. This feature alone has put S-M Transformers far ahead of any other brand in sales results.



Supplied in sets of two 210's and one 211—with individual characteristic curve Each retail at \$8.00

S-M 101B Oscillator Coupler

The famous Silver-Marshall No. 101B Oscillator coupler unit, when used with the three Intermediate transformers described above, comprise the well-known S-M Super group, guaranteed to improve any super appreciably. Used in the Super-Autodyne Receiver and approved by every national Radio Magazine. An efficient, compact part with attractive design. Retail at \$2.50.

S-L-W Condensers

Here is the latest in Silver-Marshall parts—the new silver-plated straight-line-wavelength condenser that has taken the radio fans of the country by storm. An exceedingly attractive instrument with unique design and losses lower than laboratory standards. A condenser that finally achieves real station separation and selectivity. Used in the Super-Autodyne and recommended for use in many other receivers by McMurde Silver and M. B. Sleeper. Prices, retail, \$6.00, \$5.75 and \$5.50.

Send for exclusive Jobbers' Proposition in your territory, and circulars describing complete line of S-M parts and prices. Also our Co-operative Advertising Proposition. Act now before your territory is closed.

Silver-Marshall

102 S. Wabash Ave., Chicago, Ill.

TRANSFORMERS, Radio Frequency Continued

- Electric City Novelty & Mfg. Co., 120 Odell St., Schenectady, N. Y. "Radjo"
Estru—see Dalton-Whittier-True Co.
Federal Telephone Mfg. Corp., Buffalo, N. Y.
Gen-Ral—see General Mfg. Co.
General Mfg. Co., 6637 Cottage Grove Ave., Chicago, Ill. "Gen-Ral"
General Radio Co., 11 Windsor St., Cambridge, Mass.
Giblin—see Standard Radio & Electric Co.
Giffillan Bros., 1815 W. 16th St., Los Angeles, Cal.
Green Seal—see Air-Way Electric Appliance Corp.
Haynes-Griffin Radio Service—see Tested Radio Products
H. D.—see Hudsonia Development Co.
Holmes Electrical Mfg. Co., 1810 Leland Ave., Chicago, Ill.
Hudsonia Development Co., 10 Jordan Ave., Jersey City, N. J. "H. D."
Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
Illinois Radio Appliance Co., 1426 E. 70th St., Chicago, Ill.
Jalisco Mfg. Co., 229 E. Hennepin Ave., Minneapolis, Minn.
Jefferson Electric Mfg. Co., 501 S. Green St., Chicago, Ill.
✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
Klentz Radio Co., 2324 N. Sawyer Ave., Chicago, Ill.
✓ Liberty Transformer Co., 123 N. Sangamon St., Chicago, Ill. See advertisement, page 39.
Longoria—see Sterling Electrical Corp.
Los Angeles Radio Supply Co., 1052 E. Vernon Ave., Los Angeles, Cal.
Marle Engineering Co., Orange, N. J.
Maxum Radio & Electric Co., 54th & Woodland Ave., Philadelphia, Pa.
Microdync—see Apex Electric Mfg. Co.
✓ Modern Electric Mfg. Co., Toledo, Ohio. See advertisement, page 160.
Moore Mfg. Co., 169 Bloomfield Ave., Bloomfield, N. J.
Moskowitz & Herbach, 512 Market St., Philadelphia, Pa.
National Transformer Mfg. Co., 154 Whiting St., Chicago, Ill. "Cruiser"
New York Coll Co., 338 Pearl St., New York, N. Y.
Northwestern Radio Mfg. Co., 1556 E. Taylor St., Portland, Ore.
Phenix Radio Corp., 114 E. 25th St., New York, N. Y.
Pioneer Radio Corp., 109 Pioneer Ave., Galesburg, Ill.
Precise Mfg. Corp., 254 Mill St., Rochester, N. Y.

B-T Torostyle R.F. Transformer

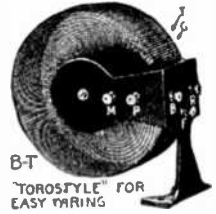
The product of years of research.—the B-T Torostyle Transformer. Local pick-up reduced to negligible minimum. No inter-coupling or stray feed-backs. No critical angles.

This is to be a "toroid" year. Many of inferior quality will find their way on the market; play safe and stock a coil backed by inductance experience which dates back to the beginning of broadcasting.

Included in B-T "Counterphase" Kits. Also Type TA for use as an antenna coupler, Type TC interstage r.f. transformer and Type T4 for four tube sets.

Write for prices and descriptive literature.

BREMER-TULLY MFG. CO., 532 So. Canal St., Chicago



Manufacturers

are earnestly requested to notify us at once of any new products so that they may be correctly listed in

The Radio Trade Directory

—without charge, of course.

THE RADIO TRADE DIRECTORY

NAXON

TOROIDAL TRANSFORMER



Best possible results, because of the following scientific principles:

1. Correctly distributed external primary.
2. Maximum magnetic coupling with minimum capacity coupling.
3. Absence of usual secondary eddy-current losses.
4. Sturdy construction without coil housings to absorb energy.
5. Each turn a perfect toroid.
6. Low resistance-spaced windings.
7. Silver-plated primary reduces skin losses.

Correspondence from responsible manufacturers' agents invited.

Naxon Electrical Laboratories
28 So. Wells St., Chicago, Ill.

Honeycomb Wound Coils Excel for Tuned R. F.



and all low loss radio coil requirements.

Have yours wound by our experienced experts.

We are specially equipped to handle economically and speedily, volume orders from manufacturers.

COTO-COIL COMPANY
Providence, R. I.

CELCO Double "D" Coil

Intermediate Frequency Transformers



Maximum amplification and extreme selectivity without sacrificing definition or quality of reproduction. Air core type, matched and peaked uniformly and exactly. Will give superior results in the Prosley or Super-Autodyne, the Ultra-dyne, the Tropadyne or the straight Super-Heterodyne circuits.

We are also manufacturers of the *Celco Indicating Battery Switch*—an indispensable convenience in every set. Jobbers and dealers write for particulars to

CENTRAL ENGINEERING LABORATORIES,
3345 No. Lincoln St., Chicago, Ill.

TRANSFORMERS, Radio Frequency Continued

- Prirad — see Ajax Electric Specialty Co.
- Radio Instrument Co., Tenth & D Sts. N. W., Washington, D. C. "Vir Bren"
- Radio Receptor Co., 106 Seventh Ave., New York, N. Y. "Receptrad Silver-tone"
- Radiophone Equipment Co., 1409 W. York St., Philadelphia, Pa. "Airkore"
- Radio — see Electric City Novelty & Mfg. Co.
- Rasla — see Davidson Radio Corp.
- Ray-Dee-Artcraft Mfg. Co., 12 E. Central Ave., Redlands, Cal. "Ray-Dee-Formers"
- Ray-Dee-Formers — see Ray-Dee Artcraft Mfg. Co.
- R B C — see Rieger-Bailey Co. of America
- Receptrad Silvertone — see Radio Receptor Co.
- Reliable Parts Mfg. Co., 2819 Prospect Ave., Cleveland, Ohio
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- Richardson Radio, Inc., 128 University Pl., New York, N. Y. See advertisement, page 127.
- Rieger-Bailey Co. of America, Real Estate Trust Bldg., Philadelphia, Pa. "RBC"
- Roffy — see Stamm-Lawson Radio Mfg. Co.
- Rubicon Co., 29 N. Sixth St., Philadelphia, Pa.
- St. James Laboratories, 845 W. Washington Blvd., Chicago, Ill.
- Sampter Radio Corp., 34 35th St., Brooklyn, N. Y. "Selec Tran"
- Samson Electric Co., (Radio Division) Canton, Mass. See advertisement, page 161.
- Sangamo Electric Co., Springfield, Ill.
- Schindler, Chas., 1401 W. Delaware Ave., Toledo, Ohio.
- Selec Tran — see Sampter Radio Corp.

- Sickles Co., F. W., 142 Union St., Springfield, Mass. See advertisement, page 35.
- Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.
- Silver-Marshall, 102 S. Wabash Ave., Chicago, Ill. "S-M" See advertisement, page 164.
- S-M — see Silver-Marshall Stamm-Lawson Radio Mfg. Co., Upland, Cal. "Roffy"
- Standard Radio & Electric Co., 90 Bayley St., Pawtucket, R. I. "Giblin"
- Stanwood Electric Specialty Co., 1834 Broadway, New York, N. Y.
- Sterling Electrical Corp., 2711 Church Ave., Cleveland, Ohio. "Longoria"
- Sterling Mfg. Co., 2835 Prospect Ave., Cleveland, Ohio
- Sypher Mfg. Co., 1524 Fernwood Ave., Toledo, Ohio
- Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
- Tri-Coil — see Brooklyn Metal Stamping Corp.
- U-Flex Mfg. Co., 1 S. 39th St., (West Phila.), Philadelphia, Pa.
- Uniradio Mfg. Co., 310 W. Fort St., Detroit, Mich.
- United Metal Stamping & Radio Co., 411 E. Pearl St., Cincinnati, Ohio
- Uptgraft Electric & Mfg. Co., National Bank Bldg., Pittsburgh, Pa.
- Victoreen — see Walker Co.
- Visco Radio Co., 6428 E. 14th St., Oakland, Cal.
- Vir Bren — see Radio Instrument Co.
- Walker Co., George W., 6524 Carnegie Ave., Cleveland, Ohio. "Victoreen"
- Werner Radio Mfg. Co., P., 204 Ninth St., Brooklyn, N. Y.

TRANSFORMERS, Tuned Radio Frequency

- Acme Products Co., 107 W. Canton St., Boston, Mass.
- Ajax — see Fraser Wire Co.

- Benjamin Electric Mfg. Co., 128 S. Sangamon St., Chicago, Ill.
- Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B-T" See advertisements, pages 41, 53, 117 and 165.
- Browning-Drake — see National Co.
- Bruno Radio Corp., 222 Fulton St., New York, N. Y.
- B-T — see Bremer-Tully Mfg. Co.
- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla Circloid"
- Enco Radio Products Co., Jamaica, N. Y.
- Erla Circloid — see Electrical Research Laboratories.
- Ford Radio Mfg. Co., 1167 Bedford Ave., Brooklyn, N. Y.
- Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
- General Instrument Corp., 423 Broome St., New York, N. Y.
- Kenman Electric Co., 296 Broadway, New York, N. Y. See advertisement, page 130A.
- Keystone Radio & Electric Service, 6237 Haverford Ave., Philadelphia, Pa. See advertisement, page 121.
- Majestic Radio Coil Mfg. Co., 713 Race St., Philadelphia, Pa. See advertisement, page 34.
- National Co., 110 Brookline St., Cambridge, Mass. "Browning-Drake"
- Naxon Electrical Laboratories, (Inductance Research Division), 28 S. Wells St., Chicago, Ill. See advertisement, page 165.
- Nolte Mfg. Co., 61 Gautier Ave., Jersey City, N. J. "Zig Zag"
- Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill. "Radiotran"
- Radiotran — see Premier Electric Co.
- Radio Foundation, Inc., 25 W. Broadway, New York, N. Y. See advertisement, page 175.
- Radio Units, Inc., 1316 First Ave., Maywood, Ill. See advertisements, pages 7, 104, and 173.
- Reichmann Co., 1725-39 W. 74th St., Chicago, Ill. "Thorola" See Back Cover
- Sears Mfg. Co., 5213 Windsor Ave., Cleveland, Ohio "Toroformer"
- Summit Radio Mfg. Co., 481 Broad St., Newark, N. J.
- Thorola — see Reichmann Co.
- Toroformer — see Sears Mfg. Co.
- Zig Zag — see Nolte Mfg. Co.

TRANSMISSION TOWERS— see Towers, Steel

RADIO TABLE



\$11.00 (List Price)

Top 31 1/2 x 17 in.
Made of selected hardwood. Finished in Walnut
1501 or Mahogany 1502.

THE PYCO RADIO TABLE is designed especially to hold a receiving set with batteries on the tray below. Shipped knocked down and crated.

Write for catalogue and prices for other Radio Tables and Cabinets.

THE PARKER-YOUNG CO.
131 State Street, BOSTON, MASS.

Jiffy Blow Torch



Professional Soldering — Loss-Proof Connections

You, too, can have the same professional connections as the highest skilled Radio Engineer. Experts know the value of good soldering. That is why thousands use Jiffy Blow Torches — and will use no other!

"Jiffy" lights instantaneously, is self blowing and burns blue hot. It is absolutely safe and cannot explode.

Complete JIFFY Set

Heavy duty soldering iron, Jiffy non-corrosive flux, string solder, Jiffy Blow Torch, complete with all accessories **\$25.00**

Apex Stamping Company
Dept. ED Riverdale, Ill.

Dealers: Write for Proposition!

TRANSMITTERS, Automatic Code

✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.

Omnigraph Mfg. Co., 16 Hudson St., New York, N. Y.

Signal Electric Mfg. Co., 1915 Broadway, Menominee, Mich.

TRANSMITTING KEYS—

see Keys, Transmitting

TRAPS, Wave

Atec Products Co., 534 W. Elm St., Chicago, Ill.

Bromwell Brush & Wire Goods Co., Third & Walnut Sts., Cincinnati, Ohio. "Radiotrap"

Doran & Sons, James C., 150 Chestnut St., Providence, R. I.

Electrad, Inc., 428 Broadway, New York, N. Y.

Ferbend Electric Co., 19 E. South Water St., Chicago, Ill.

Ford Co., K. N., 1411 Alta Vista Blvd., Los Angeles, Cal. "Radiogrand"

General Radio Co., 11 Windsor St., Cambridge, Mass.

Magnus Electric & Radio Mfg. Co., 787 E. 138th St., New York, N. Y.

Midway Radio Co., 222 N. Hollistan St., Pasadena, Cal.

Nolte Mfg. Co., 61 Gautier Ave., Jersey City, N. J.

Nycor Radio Electric Co., Penn & Centre Sts., Wilkensburg, Pa.

Orator Radio Corp., 54th St. & Broadway, New York, N. Y.

Penn C — see Pennsylvania Wireless Mfg. Co.

Pennsylvania Wireless Mfg. Co., 507 Florence Ave., New Castle, Pa. "Penn C"

Pentz Radio Factory, 207 S. Fifth St., Minneapolis, Minn.

Radiogrand—see Ford Co.

Radiotrap — see Bromwell Brush & Wire Goods Co.

Reymond Co., 4222 Irving Park Blvd., Chicago, Ill.

Simplex Radio Co., Philadelphia, Pa.

Square Deal Radio & Electric Co., 103 Leroy St., Fenton, Mich.

Steinite Laboratories, Radio Bldg., Atchison, Kans.

Steinmetz Wireless Mfg. Co., 5968 Baum Blvd., Pittsburgh, Pa.

Twitchell Co., S. A., 1925 Western Ave., Minneapolis, Minn.

Vesco Radio Co., 6428 E. 14th St., Oakland, Cal.

TRAYS, Glass Battery

Benzer Corp., Myrtle & Cooper Aves., Brooklyn, N. Y.

Marsden Glass Works, J. E., 200 Fifth Ave., New York, N. Y. "Tufglas"

McKee Glass Co., Jeannette, Pa.

Tufglas—see Marsden Glass Works

TRAYS, Rubber Battery

May Rubber Co., 826 Arch St., Philadelphia, Pa.

TUBE ADAPTERS—

see Adapters, Socket

TUBE FUSES—

see Fuses, Tube

TUBE

PROTECTORS—

see Fuses, Tube

TUBE

REACTIVATORS—

see Reactivators, Tube

PURATRON TUBES

Rectifier Tubes

for

"B" Eliminators

also

Radio Tubes—all Types

Territory Open

PURATRON SALES COMPANY
1026 Drexel Bldg., Philadelphia, Pa.



TUBE RECEPTACLES—
see Sockets

TUBE SOCKETS—
see Sockets, Vacuum Tube

TUBES,
Glass B Battery
For Glass Jars—see Jars,
Glass Battery
Camden Glass Works, 105
Arch St., Camden, N. J.
Hazel-Atlas Glass Co.,
Wheeling, W. Va.
Vineland Scientific Glass Co.,
Vineland, N. J.

TUBES, Hard Rubber—
see Rubber, Hard

TUBES, Laminated—
see Insulation, Composition

TUBES,
Paper and Card Board
Atlantic Paper Tube Co.,
Riverton, N. J.
Cleveland Container Co.,
Leader-News Bldg., Cleve-
land, Ohio
Empire Paper Products Corp.,
155 Bank St., New York,
N. Y.
Gordon Radio & Electric
Mfg. Co., 1610 Fourth Ave.,
Seattle, Wash.
Mica Insulator Co., 68
Church St., New York,
N. Y.
Union Paper Co., 844 Wash-
ington St., New York,
N. Y.

TUBES, Porcelain
Cook Pottery Co., Prospect
St. & P. R. R., Trenton,
N. J.
Fedco—see Federal Porce-
lain Co.

Federal Porcelain Co., Carey,
Ohio "Fedco"
Findlay Electric Porcelain
Co., Findlay, Ohio
General Porcelain Co., Cam-
den Ave. S.S., Parkers-
burg, W. Va.
Illinois Electric Porcelain
Co., Macomb, Ill.

TUBES, Rectifier
Aberdeen Specialty Co., 1640
N. Hutchinson St., Phila-
delphia, Pa.
Farad Corp., 239 Centre St.,
New York, N. Y.
Jove Lamp Works, 311 W.
59th St., New York, N. Y.
L & M Supply Co., 295 Hunt-
ington Ave., Boston, Mass.
Neon Products Corp., 107 W.
23d St., New York, N. Y.
✓ Philadelphia Radio Mfg. Co.,
3040 W. Stiles St., Phila-
delphia Pa. "Philotron" See
advertisement, page 169.
Philotron—see Philadelphia
Radio Mfg. Co.
✓ Puratron Sales Co., 1026
Drexel Bldg., Philadelphia,
Pa. See advertisement,
page 168.
Rectar Tube Co., 110 W. 34th
St., New York, N. Y.

TUBES, Vacuum
A. C. — see Radio Founda-
tion, Inc.
Aberdeen Specialty Co., 1640
N. Hutchinson St., Phila-
delphia, Pa. "Sea Gull"
Ablett Co., Charles R., 22
Reade St., New York, N. Y.
Aerodyn Co., 1780 Broadway,
New York, N. Y.
Airtron—see H. & H. Ra-
dio Co.
Aladdin—see Continental
Sales Co.
American International Trad-
ing Co., 2426 Stone St.,
New York, N. Y. "Empire-
tron"
Amplitron—see Pennant Ra-
dio Laboratories
A-P Radio Laboratories,
Inc., 650 Mission St., San
Francisco, Cal. "Two In
One"

Apollo—see Kayess Mfg. Co.
Atlantic Electric Lamp Co.,
Danvers, Mass.
Atlas Radio Corp., 3 Foster
St., Peabody, Mass.
Barkeley Electric Mfg. Co.,
Middletown, Ohio
Bear Radio Products Corp.,
207 Market St., Newark,
N. J.
Belltone—see Radio Tube
Laboratories
✓ Bennington Radio & Electric
Mfg. Co., Bennington, Vt.
"Bremco" See advertise-
ment, page 138.
Birk-Morton Vacuum Prod-
ucts Co., Owensboro, Ky.
"B-M"
Blo-Pruf Tube Co.—see Ra-
dio Equipment Co.
Bluebird Tube Co., 200
Broadway, New York,
N. Y.
B-M—see Birk-Morton Vac-
uum Products Co.
Bremco—see Bennington Ra-
dio & Electric Mfg. Co.
Brendonne Corp., 42 Main
St., Orange, N. J.
Brighton Laboratories, Inc.,
67 Winthrop St., Newark,
N. J. "True Blue"
Bryant Radio Tube Ex-
change, 453 Washington
St., Boston, Mass.
Camden Glass Works, 105
Arch St., Camden, N. J.
C. E. Mfg. Co., 702 Eddy
St., Providence, R. I.
"CeCo"
CeCo—see C. E. Mfg. Co.
Chester Electric Co., 39
Tracy Ave., East Lynn,
Mass.
Claritron—see Superior Ra-
dio Co.
Cleartron Vacuum Tube Co.,
28 W. 44th St., New York,
N. Y. "Hi-Constron"
Cole Co., Harrison, Grove
Street Sta., East Orange,
N. J. "Regal"
Connecticut Telephone &
Electric Co., 70 Britannia
St., Meriden, Conn. "Sod-
ion"
Conneway Electric Labora-
tories Co., 406 Jefferson
St., Hoboken, N. J. "Mag-
natrons"
Conqueror—see Radio Tube
Outlet
Continental Sales Co., 77 W.
Washington St., Chicago,
Ill. "Aladdin"
Crescent Sales Co., 117 Mul-
berry St., Newark, N. J.
Cunningham, E. T., 182 Sec-
ond St., San Francisco,
Cal.
Daven Radio Corp., 158 Sum-
mit St., Newark, N. J.
De Forest Radio Co., Cen-
tral Ave. & Franklin St.,
Jersey City, N. J.
Dextron Radio Laboratory,
74 Sterling St., East
Orange, N. J.
D. F. P. Vacuum Products
Works, 1314 Front St.,
Toledo, Ohio
Diode—see Electrad, Inc.
Durotron—see Electrical
Products Co.
Dynetron Tube Corp., 240
Mulberry St., Newark, N. J.
Econotron—see Nulite Elec-
tric Co.
Electrad, Inc., 428 Broadway,
New York, N. Y. "Diode"
Electrical Products Co., 198
Livingston St., Newark,
N. J. "Durotron"

PHILOTRON TUBES

**SATISFACTION TO THE
PURCHASER GUARANTEED**

Dealers Request Information Direct, Giving the Name of Your Jobber

PHILADELPHIA RADIO MFG. CO.
3040 W. Stiles St., Philadelphia, Pa.

Rectifier Tubes for "B" Elim-
inators. Guaranteed for 30
Milliamperes D.C.

Receiving Tubes of High
Amplification

*Tubes for special purposes de-
signed and built. Our labora-
tory supplies tubes matched
for your sets.*

Our Factory Facilities Assure
Prompt Deliveries

ELECTRON Vacuum Tubes

for Every Purpose

They are reliable and
fully guaranteed

by

ELECTRON TUBE LABORATORIES

2217 Lafayette St. Ft. Wayne
Indiana

*We manufacture special Tubes
for special purposes.*

Ask us.

*Radio's Crowning
Triumph*

The **LESTRON** } A. C.
110 Volt } or
TUBE } D. C.

Fits any standard socket

"LESTRON"—
is the fulfillment
of Radio Prophecy

No A. B. or Battery
Eliminator Needed

**Lestein Corporation
of America**

2 Broadway, New York City



—but you
can have
it for
One Dollar
a year!

Special Offer!

Who wouldn't pay \$2 a
year to get a magazine
that is crammed full of
money - making methods,
sales hunches and vital
news of the radio industry?
And who wouldn't take ad-
vantage of this special
offer, made only for a lim-

ited time, to get a whole
year's issues of this help-
ful magazine, "Radio Re-
tailing" for only \$1.00?

Write now and you need
pay only ONE DOLLAR,
not \$2, for a year's sub-
scription to "Radio Retail-
ing."

RADIO RETAILING

Tubes, Vacuum Continued

- Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
Electron — see Macksoud Radio Laboratories
Electron Tube Laboratories, 2217 Lafayette St., Fort Wayne, Ind. See advertisement, page 169.
Elektron — see Lectrodio Corp.
Emco Radio Co., 97 Springfield Ave., Newark, N. J. "Thermatron"
Empire-tron — see American International Trading Co.
Erla — see Electrical Research Laboratories
Everedy — see Nussbaum & Silver
Farad Corp., 239 Centre St., New York, N. Y.
F & C Corp., 206 Broadway, New York, N. Y. "Magitron"
Federal — see Service Lamp Co.
Gem Tube Co., 200 Broadway, New York, N. Y.
General Electric Co., 1 River Rd., Schenectady, N. Y.
Goode Tube Corp., Evansville, Ind. "Two-o-One"
Hercules — see Lincoln Radio Tube Co.
H. & H. Radio Co., 514 Clinton Ave., Newark, N. J. "Airtion"
Hi-Constron — see Cleartron Vacuum Tube Co.
Imp Radio Corp., 1945 Wabansia Ave., Chicago, Ill. "Vitavox"
Independent Radio Co., 154 Nassau St., New York, N. Y.
Jaeger Research Laboratories, 270 Park Ave., Weehawken, N. J.
Jove Lamp Works, 311 W. 59th St., New York, N. Y.
Kayess Mfr. Co., 512 Main St., East Orange, N. J. "Hercules" "Apollo"
Kenotrons — see Radio Corp. of America
Konkle, James H., 192 Market St., Newark, N. J. "Loudspeaker"
Lectrodio Corp., 186 Market St., Lynn, Mass. "Elektron"
Liberty Appliance Corp., 249 E. 43d St., New York, N. Y.
Lincoln Radio Tube Co., 37 Walker St., New York, N. Y. "Hercules"
L & M Supply Co., 285 Huntington Ave., Boston, Mass.
Lesteln Corp. of America, 2 Broadway, New York, N. Y. "Lestron" See advertisement, page 169.
Lestron — see Lesteln Corp. of America
Loudspeaker — see Konkle, James H.
Macksoud Radio Laboratories, 84 Washington St., New York, N. Y. "Electron"
Magitron — see F & C Corp.
Magnatrons — see Conneway Electric Laboratories
Magnavox Co., 2725 E. 14th St., Oakland, Cal.
Marathon — see Northern Mfg. Co.
Masterstone — see Radiotube Co.
McCullough Sales Co. — see Radio Foundation, Inc.
Meco — see Metropolitan Electric Co.
Metropolitan Electric Co., Fine Arts Bldg., Des Moines, Iowa "Meco"
Modern Radio Tube Mfg. Co., 57 Branford St., Newark, N. J.
Music Master Corp., 128 N. Tenth St., Philadelphia, Pa.
Northern Mfg. Co., 365 Ogden St., Newark, N. J. "Marathon"
Novo-Tron — see Radio Electric Laboratories
Nullite Electric Co., 220 W. 42d St., New York, N. Y. "Econotron"
Nussbaum & Silver, 175 Fifth Ave., New York, N. Y. "Everedy"
Nutro — see Puratron Sales Co.
Olney Tube Co., 280 Madison Ave., New York, N. Y.
Operatone Tube Co., 324 W. 42d St., New York, N. Y.
Oscillator — see St. James Laboratories
Pennant Radio Laboratories, 23 Central Ave., Newark, N. J. "Amplitron"
Philadelphia Radio Mfg. Co., 3040 W. Stiles St., Philadelphia, Pa. "Philotron" See advertisement, page 169.
Philotron — see Philadelphia Radio Mfg. Co.
Puratron Sales Co., 1026 Drexel Bldg., Philadelphia, Pa. "Nutro." See advertisement, page 168.
Radio Corp. of America, 233 Broadway, New York, N. Y. "Radiotrons" "Kenotrons"
Radio Electric Laboratories, 152 W. 42d St., New York, N. Y. "Novo-Tron"
Radio Equipment Co., 20 Stuart St., Boston, Mass. (Sole Distributors for Blopruf Tube Co., Boston, Mass.)
Radio Foundation, Inc., 25 W. Broadway, New York, N. Y. (Sole Distributors for McCullough Sales Co., Pittsburgh, Pa.) "A.C."
Radio Tube Mfg. Co., 154 Nassau St., New York, N. Y.
Radio Tube Outlet, 207 Market St., Newark, N. J. "Conqueror"
Radiotrons — see Radio Corp. of America
Radiotube Co., 903 Broad St., Newark, N. J. "Masterstone"
Ravac Co., Nashua, N. H.
Receptone Radio Corp., 233 W. 42d St., New York, N. Y. "Receptron"
Receptron — see Receptone Radio Corp.
Regal — see Cole Co.
Roice Tube Co., 21 Norwood St., Newark, N. J.
Royal Electric Co., Chelsea Sta., Boston, Mass.
St. James Laboratories, 845 W. Washington Blvd., Chicago, Ill. "Oscillator"
Schicklering Products Corp., 313 Halsey St., Newark, N. J.
Sea Gull — see Aberdeen Specialty Co.
Service Lamp Co., 112 Trinity Pl., New York, N. Y. "Federal"
Simplex — see Titania Trading Corp.
Sodion — see Connecticut Telephone & Electric Co.
Sonatron Tube Co., 220 S. State St., Chicago, Ill.
Sunlight Lamp Co., Newton Falls, Ohio
Super-Het Radio Co., 6229 Broadway, Chicago, Ill.
Superior Radio Co., 176 Shepard Ave., Newark, N. J. "Claritron"
Supertron Mfg. Co., 222 Washington St., Hoboken, N. J.
Sylvania Products Co., Emporium, Pa.
Tectron Radio Co., 1270 Broadway, New York, N. Y.
Televocal Corp., 67 Fifth Ave., New York, N. Y.
Tested Products Co., Geo. W. Stone Bldg., Cleveland, Ohio.
Thermatron — see Emco Radio Co.
Thoria Tube Co., 1701 Grand Ave., Middletown, Ohio
Titania Trading Corp., 105 N. 40th St., New York, N. Y. "Simplex"
True Blue — see Brightson Laboratories, Inc.
Turney, H. P., 1000 N. Madison St., Rome, N. Y.
Two-o-One — see Goode Tube Co.
Two In One — see A-P Radio Laboratories, Inc.
Ultra Radio Tube Co., Times Bldg., New York, N. Y.
United Radio & Electric Corp., 418 Central Ave., Newark, N. J. "Urico"
Universal Radio Laboratories, 237 Clinton Ave., Newark, N. J.
Urico — see United Radio & Electric Corp.
Van Horne Co., Franklin, Ohio
Vitavox — see Imp Radio Corp.
Walters Radio Research Laboratories, 799 Broadway, New York, N. Y. "Waltron"
Waltron — see Walters Radio Research Laboratories
West Factories, 1001 Broad St., Newark, N. J. "Wonder"
Western Electric Co., 100 E. 42d St., New York, N. Y.
White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
Wonder — see West Factories
Yankee Tube Corp., 185 Clinton Ave., Newark, N. J.

TUBES, Vacuum, Repairers of

- American Radio Tube Works, 23 Central Ave., Newark, N. J.
Armstrong Electric Co., 351 Halsey St., Newark, N. J.
Brown Co., Thomas, 511 Orange St., Newark, N. J.
Bryant Radio Tube Exchange, 453 Washington St., Boston, Mass.
C. F. E. Radio Tube Works, Essex Ct., Newark, N. J.
Chester Electric Co., 39 Tracy Ave., East Lynn, Mass.
Chicago Electric Devices Co., 70 E. 22d St., Chicago, Ill.

B.-H. BRAND RADIO TUBING

(Spaghetti)

is made of woven cambric of special weave giving great tensile and dielectric strength. Six coatings of varnish dipped by hand and not artificially but naturally dried gives it durability, and makes it proof against acids, water and oil. **GUARANTEED NOT TO CRACK.**

To help in selling we supply with each 1,000 feet or 10 cartons, handsome display cards on which these cartons are hung. Slot in carton makes it handy to draw out lengths when required. Made in five colors; black, green, red, dark brown, and amber.

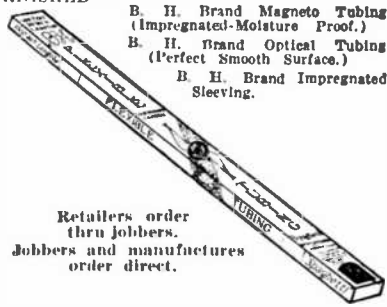
BENTLEY-HARRIS MFG. CO.

Elm and Ash Sts., Conshohocken, Pa.

FLEXIBLE
VARNISHED

Manufacturers of:

- B. H. Brand Magneto Tubing (Impregnated-Moisture Proof.)
- B. H. Brand Optical Tubing (Perfect Smooth Surface.)
- B. H. Brand Impregnated Sleeving.



Retailers order thru jobbers. Jobbers and manufacturers order direct.

TUBES, Vacuum, Repairers of Continued

- Denning's Radio Mfg., 455 Springfield Ave., Newark, N. J.
- Dey's Radio Service, 5947 Superior St., Chicago, Ill.
- Duo Lamp Co., 11 Kirk Alley, Newark, N. J.
- Grand Ave. Radio Co., 2218 1/2 S. Grand Ave., Los Angeles, Cal.
- Hankins & Co., S. P., 1411 Castro St., Oakland, Cal.
- Harvard Radio Laboratories, 200 Old Colony Ave., (So. Boston), Boston, Mass.
- H. & W. Radio Co., 514 Clinton Ave., Newark, N. J.
- J. E. S. Radio Co., 180 E. 116th St., New York, N. Y.
- Miracle Mfg. Co., 163 W. Washington St., Chicago, Ill.
- National Radio Tube Co., 748 14th St., San Francisco, Cal.
- National Radio Tube Works, 39 Tracy Ave., East Lynn, Mass.
- O'Connor & Co., A., 9704 Euclid Ave., Cleveland, Ohio
- Quality Radio Shop, 86 Fourth St., San Francisco, Cal.
- Radiotube Co., 903 Broad St., Newark, N. J.
- Radio Tube Exchange, 200 Broadway, New York, N. Y.
- Radio Tube Mfg. Co., 154 Nassau St., New York, N. Y.
- Radio Tube Outlet, 207 Market St., Newark, N. J.
- Singer Radio Corp., Times Bldg., New York, N. Y.
- S. & S. Mfg. Corp., 89 Littleton Ave., Newark, N. J.
- Standard Radio Tube Co., Essex Ct., Newark, N. J.

TUBING, Aluminum—
see Aluminum, Sheet

TUBING,

Brass and Copper

- Ambrac — see American Brass Co.
- American Brass Co., Waterbury, Conn. "Ambrac"

- Bridgeport Brass Co., Bridgeport, Conn.
- Chase Metal Works, 236 Grand St., Waterbury, Conn.
- National Co., 57 N. Main St., Waterbury, Conn.
- National Copper & Smelting Co., 1895 Coltman Rd., Cleveland, Ohio
- Randolph-Cloves Co., 384 Bank St., Waterbury, Conn.
- Roberts Tube Works, 2500 Military Ave., Detroit, Mich.
- Rome Brass & Copper Co., Bouck St., Rome, N. Y.
- Rome Hollow Wire & Tube Co., Railroad St., Rome, N. Y.
- Seovill Mfg. Co., Waterbury, Conn. See advertisement, page 113.
- United Wire & Supply Co., 1497 Elmwood Ave., Providence, R. I.
- Wells & Co., A. H., 563 Watertown Ave., Waterbury, Conn.
- Wolverine Tube Co., 1411 Central Ave., Detroit, Mich.

TUBING, Cambric—
see Tubing, Spaghetti

TUBING, Copper—
see Tubing, Brass and Copper

TUBING, Fibre—
see Fibre, Hard

TUBING, Glass

- Friedrich & Dinmock, 7 E. 42d St., New York, N. Y.

TUBING, Mica—
see Mica, Sheet

TUBING, Soft Rubber

- Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
- Bowers Rubber Works, 68 Sacramento St., San Francisco, Cal.
- Canfield Rubber Co., Bridgeport, Conn.
- Cincinnati Rubber Mfg. Co., Franklin Ave., (Norwood) Cincinnati, Ohio "Royal"
- Continental Rubber Works, 1092 Liberty St., Erie, Pa. "Vitalic"
- Diamond Rubber Co., 1780 Broadway, New York, N. Y.
- Dural Rubber Corp., Flemington, N. J.
- Federal Rubber Co., of Illinois, Cudahy, Wis.
- Firestone Tire & Rubber Co., S. Main St., Akron, Ohio
- Goodrich Rubber Co., B. F., Akron, Ohio
- Mechanical Rubber Co., C. & P. & Nickel Plate R.R., Cleveland, Ohio
- Miller Rubber Co. of N. Y., S. High St., Akron, Ohio See advertisement, page 71.
- New York Belting & Packing Co., 91 Chambers St., New York, N. Y.
- Royal — see Cincinnati Rubber Mfg. Co.
- United States Rubber Co., 1790 Broadway, New York, N. Y.
- Vitalic—see Continental Rubber Works
- Voorhees Rubber Mfg. Co., 20 Bostwick Ave., Jersey City, N. J.

TUBING, Spaghetti

- Acme Wire Co., Dixwell Ave., New Haven, Conn.
- Ajax—see Philmore Mfg. Co.
- Alpha Radio Supply Co., 611 Broadway, New York, N. Y.
- American Hard Rubber Co., 11 Mercer St., New York, N. Y. "Radion"
- Belden Mfg., Co., 2320-a S. Western Ave., Chicago, Ill. "Beldentube" "Itala." See advertisement, page 183.
- Beldentube—see Belden Mfg. Co.
- Bentley-Harris Mfg. Co., Elm and Ash Sts., Conshohocken, Pa. "B-H" See advertisement, page 171.
- B-H — See Bentley-Harris Mfg. Co.

TUBING, Spaghetti**Continued**

Blue Ribbon—see Crescent Braid Co.
 Brand & Co., Wm., 27 E. 22d St., New York, N. Y.
 ✓Crescent Braid Co., Providence, R. I. "Blue Ribbon" See advertisements, pages 28 and 16.
 De Jur Products Co., 199 Lafayette St., New York, N. Y.
 Empire—see Mica Insulator Co.
 Faultless Rubber Co., Ashland, Ohio
 Goodrich Rubber Co., B. F., Akron, Ohio
 Irvington Varnish & Insulator Co., Tremont Terrace, Irvington, N. J.
 Itala—see Belden Mfg. Co.
 ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
 Mica Insulator Co., 68 Church St., New York, N. Y. "Empire"
 Mitchell-Rand Mfg. Co., 18 Vesey St., New York, N. Y.
 Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
 Radion—see American Hard Rubber Co.
 Schoonmaker Insulation Co., A. O., 30 University Pl., New York, N. Y.
 Uptown Mfg. & Supply Co., 7724 N. Pauline St., Chicago, Ill.
 Varflex Corp., 403 Elm St., Rome, N. Y.
 Westphal Mfg. Laboratory, 80 E. Jackson Blvd., Chicago, Ill.
 Worcester Braiding Co., 34 Southbridge St., Worcester, Mass.

TUBING, Varnished**Cambric—**

see Tubing, Spaghetti

TUBULAR COPPER**ANTENNA WIRE—**

see Wire, Tubular Copper Antenna

TUNED RADIO**FREQUENCY****TRANSFORMERS—**

see Transformers, Tuned Radio Frequency

TUNERS AND**TUNING COILS**

A. C. H.—see Haydon Radio & Research Co.
 Acme Engineering Co., Louisville, Ky.
 Acme Products Co., 107 N. Canton St., Boston, Mass. "A-1"
 Aero Products, Inc., 4607 Ravenswood Ave., Chicago, Ill. "Henninger"
 Air-King—see Excelsior Radio Co.

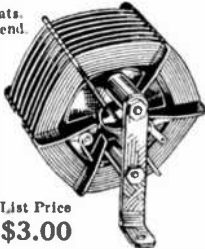
Air-Trol—see Imperial Electric Mfg. Co.
 Ajax—see Fraser Wire Co.
 All-Henry Coil Co., Norwalk, Cal.
 Ambassador Sales Co., 108 Greenwich St., New York, N. Y. (Sole Distributor for Uncle Sam Electric Co., Plainfield, N. J.)
 Andrews—see Radio Units, Inc.
 A-P—see Acme Products Co.
 Arc Rad Products, 48 S. Seventh St., Newark, N. J.
 Atec Products Co., 534 W. Elm St., Chicago, Ill.
 Baldwin Radio Electrical Mfg. Co., 684 Bergen St., Brooklyn, N. Y.
 Barnett-Lloyd Co., 17 N. La Salle St., Chicago, Ill. "Hi-Power"
 Barrett & Paden, 1314 Sedgwick St., Chicago, Ill. "B & P"
 Bell Radio Corp., 1913 Fifth Ave., N., Birmingham, Ala.
 Bel-Tone Radio Co., 161 Jamaica Ave., Brooklyn, N. Y. "Major"
 Birco—see Birnbach Radio Co.
 Birnbach Radio Co., 370 Seventh Ave., New York, N. Y. "Birco"
 B. & P.—see Earrett & Paden
 ✓Bremer-Tully Mfg. Co., 532 S. Canal St., Chicago, Ill. "B-T" See advertisements, pages 41, 53, 117 and 165.
 Bruno Radio Corp., 221 Fulton St., New York, N. Y.
 B. S. M. Radio Co., 29 N. 13th St., Philadelphia, Pa.
 B-T—see Bremer-Tully Mfg. Co.
 Buell Mfg. Co., 2975 Cottage Grove Ave., Chicago, Ill.
 Carco—see Carter Mfg. Co.
 Carter Mfg. Co., 1728 Colt Ave. (E. Cleveland), Cleveland, Ohio. "Carco"
 Chase Radio, 41 Forest St., Springfield, Mass.
 Coast Coil—see Foote Radio Corp.
 Coast Coupler Co., 245 E. Seventh St., Long Beach, Cal.
 Conrad Bros., 1609 Cooper Ave., Evergreen, L. I., N. Y.
 Cosmopolitan Phusiformer Corp., 15 W. 18th St., New York, N. Y.
 Cosmos Radio Corp., 145 N. 45th St., New York, N. Y.
 ✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.
 Crescent Radio Mfg. Co., 219 Greenwich St., New York, N. Y.
 Curkoid Corp., 100 Charles St., New York, N. Y.

✓Danziger-Jones, Inc., Dept. D., 25 Waverly Pl., New York, N. Y. See advertisement, page 118.
 Davidson Radio Corp., 222 Fulton St., New York, N. Y. "Rasla"
 Dunn Mfg. Co., Clarinda, Iowa
 D-X—see Simplex Radio Co.
 Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
 Eastern Coil Co., 22 Warren St., New York, N. Y.

✓Eastern Electric & Mfg. Co., Providence, R. I. See advertisement, page 35.
 Electrad, Inc., 428 Broadway, New York, N. Y. "Veria"
 Electric City Novelty & Mfg. Co., 120 Odell St., Schenectady, N. Y. "Radjo"
 Electrical Research Laboratories, 2500 Cottage Grove Ave., Chicago, Ill. "Erla"
 Elkay—see Langbein-Kaufmann Radio Co.
 Emco Radio Products Co., Jamaica, N. Y.
 Erla—see Electrical Research Laboratories
 Essential Coil Co., 4556 N. Clark St., Chicago, Ill.
 Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Pall Mall"
 Excelsior Radio Co., 226 Grand St., Brooklyn, N. Y. "Air-King"
 Ferbed Electric Co., 19 E. South Water St., Chicago, Ill. "Maxmin"
 Ferl Radio Mfg. Co., 1167 Bedford Ave., Brooklyn, N. Y.
 Fischer & Co., G. H., 2604 Myrtle Ave., Glendale, L. I., N. Y.
 ✓Foote Radio Corp., 1609 Summer St., Philadelphia, Pa. "Coast Coil" See advertisements, pages 48 and 173.
 Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
 Forrest Mfg. Co., 5353 Lexington Ave., Los Angeles, Cal.
 Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Midg-12-Tuner"
 General Mfg. Co., 6637 Cottage Grove Ave., Chicago, Ill. "Gen-Ital"
 General Radio Winding Co., 214 Fulton St., New York, N. Y. "Gen-Win"
 Gen-Ral—see General Mfg. Co.
 Gen-Win—see General Radio Winding Co.
 Globe Radio Equipment Co., 217 W. 125th St., New York, N. Y.
 Goodman, L. W., 436 Forrest Ave., Drexel Hill, Pa.
 Harkness Radio Corp., Kenneth, 727 Frelirghuysen Ave., Newark, N. J.
 Haydon & Haydon, 73 Warren St., New York, N. Y.
 Hayden Radio & Research Co., A. C., Brockton, Mass. "A. C. H."
 Hendrick, Stuart A., 85 W. 181st St., New York, N. Y.
 Henninger—see Aero Products, Inc.
 Hilco—see Hill Mfg. Co.
 Hi-Power—see Barnett-Lloyd Co.
 Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco"
 Hudson Terminal Radio & Electric Co., 30 Church St., New York, N. Y.
 Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J. "Air-Trol"

TUNERS AND TUNING COILS
Continued

- Ion Radio Corp., 5 Hudson St., New York, N. Y.
- Irelan, A. E., 37 W. Elmwood Ave., Sharon Hill, Pa. "Wonder"
- Irwin Radio Laboratories, 1419 W. Eighth St., Los Angeles, Cal.
- Kelcoil—see Kruger & Co.
- ✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover
- Klingenhafer Bros., 126 N. 52d St., Philadelphia, Pa.
- Kruger & Co., B. Third & Spring Sts., Los Angeles, Cal. "Kelcoil"
- ✓ Langbein-Kaufman Radio Co., Dept. O., 511 Chapel St., New Haven, Conn. "Elkay." See advertisement, page 126.
- Lee Electric & Mfg. Co., 220 Eighth St., San Francisco, Cal. "Lemco"
- Lemco — see Lee Electric & Mfg. Co.
- Lincoln Radio Corp., 224 N. Wells St., Chicago, Ill.
- Lopez—see Radio Engineering Laboratories
- McConnell Cable & Specialty Co., 424 S. Clinton St., Chicago, Ill.
- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- ✓ Majestic Radio Coil Mfr. Co., 713 Race St., Philadelphia, Pa. See advertisement, page 34.
- Major—see Bel-Tone Radio Co.
- Maxmin—see Ferbend Electric Co.
- Mazda Radio Mfg. Co., 3405 Perkins Ave., Cleveland, Ohio. "Mazdadayne"
- Mazdadayne — see Mazda Radio Mfg. Co.
- Midg-E-Tuner — see Fraser Wire Co.
- Munzig Radio Co., 1017 Tribune St., Redlands, Cal.
- Nazeley Co., J., 571 Hudson St., New York, N. Y. "Roberts"
- New York Coil Co., 338 Pearl St., New York, N. Y.
- Neutroflex—see Tanner Co.
- Octopus Radio Co., 96 Clinton Ave., Maspeth, N. Y.
- Pall Mall—see Essex Mfg. Co.
- Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y.
- Pentz Radio Factory, 207 S. Fifth St., Minneapolis, Minn.
- Perfection Radio Mfg. Co., 24th & Race Sts., Philadelphia, Pa.
- ✓ Phoenix Radio Laboratory, 114 S. Central Ave., Phoenix, Ariz. See advertisement, page 48.
- Prague Radio Co., 40 St. Clair Pl., New York, N. Y.
- Precision Coil Co., 209 Centre St., New York, N. Y.
- Radio Engineering Laboratories, 27 Thames St., New York, N. Y. "Lopez"



Pats. Pend.

List Price
\$3.00

The Andrews
Paddlewheel-Coil

A new, low-loss coil of ideal characteristics. Has exceptionally high ratio of inductance to resistance. Losses are negligible. Used in such well-known receivers as the Andrews DERESNAYDNE and the BUCKINGHAM.

Gives maximum range and volume with entire freedom from distortion. Increases selectivity and improves tone quality. Supplied in three types adapting it to nearly all standard hook-ups. We can furnish blue-prints of many well-known receivers and hook-ups using this coil. Our Technical Department will answer inquiries.

RADIO UNITS Inc.
1316 First Ave. Maywood, Ill.



Coast-Coil

(Low Loss)

The Only Double Rotor 3-Circuit Tuner

Many Transatlantic Records
Most Perfect Workmanship. Only the Very Best Materials. Low Loss.

It GETS the Greatest Volume of Sound and Sales.
It BRINGS in Distant Stations and Local Fans.
It GIVES the Purest Tones and Soundest Profits.
It HAS the Greatest Selectivity and Quickest Turnover

With Vernier Dial, \$7.00
Internationally Advertised

FOOTE RADIO CORP.

Sole Makers of Foote Crystals. See Page 48.
1609 Summer St., Philadelphia, U. S. A.

RADIO CRYSTAL ORE

Pure Steel Galena direct from our mines, for use of Radio and Crystal Manufacturers.

KELSO NATIONAL MINING CO.
Georgetown, Colo.

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TUNERS AND TUNING COILS Continued

- ✓Radio Units, Inc., 1316 S. First Ave., Maywood, Ill. "Andrews" See advertisements, pages 7, 104 and 173.
- Radio — see Electric City Novelty & Mfg. Co.
- Radio — see Sharp Spark Plug Co.
- Rasla — see Davidson Radio Corp.
- Rector & Co., F. J., Pendleton, N. J.
- Reifel, Chas. A., 959 Third Pl., Woodcliff, N. J.
- Roberts—see Nazeley Co.
- Royal Radio Products Co., 628 Callowhill St., Philadelphia, Pa.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J.
- Sharp Spark Plug Co., Bennett St., Wellington, Ohio "Radio"
- ✓Siekles Co., F. W., 337 Worthington St., Springfield, Mass. See advertisement, page 35.
- Simplex Radio Co., Philadelphia, Pa. "D-X"
- Stafford Radio Co., 29 Newberne St., Medford Hills, Mass.
- Star Radio Products Co., 711 S. Dearborn St., Chicago, Ill.
- Superior Coil Co., Harwichpoint, Mass.
- Sy-Coil — see Syco Radio Products Corp.
- Sypher Mfg. Co., 1524 Fernwood Ave., Toledo, Ohio
- Tanner Radio Co., C. D., 528 W. Washington St., Los Angeles, Cal. "Neutroflex"
- Thermodyne Radio Corp., 1819 Broadway, New York, N. Y.
- Tidmarsh's Radio Supply, 1535 S. A. St., Elwood, Ind. "T-R-S"
- T-R-S—see Tidmarsh's Radio Supply.
- Tun-A-Far — see Waage Electric Co.
- Twitchell Co., S. A., 1925 Western Ave., Minneapolis, Minn.
- Uncle Sam Electric Co.—see Ambassador Sales Co.
- Union Radio Co., 4101 S. Union Ave., Chicago, Ill.
- Un-X-Ld—see Forman & Co. Verla—see Electrad, Inc.
- Vesco Radio Co., 6428 E. 14th St., Oakland, Cal.
- Volsometer Mfg. Co., Kirkwood, Mo.
- Waage, A. H., 6 Reade St., New York, N. Y. "Tun-A-Far"
- Wonder—see Irelan, A. E.
- WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

TUNING COIL SLIDERS—

see Sliders, Tuning Coil

TUNING COILS—

see Coils, Inductance
also Coils, Slide Tuning

TUNING DIALS—

see Dials

TWIST DRILLS—

see Drills, Twist

UNITS, Loud Speaker or Phonograph

- Accuratone — see Mydar Radio Co.
- Ackerman Bros. Co., 301 W. Fourth St., New York, N. Y.
- Acusticola — see Trimm Radio Mfg. Co.
- Aerodyn Co., 1780 Broadway, New York, N. Y.
- Airex Co.—see Jones Agencies
- Ajax—see Philmore Mfg. Co.
- American Electric Co., 6401 S. State St., Chicago, Ill. "Burns"
- American International Trading Co., 2126 Stone St., New York, N. Y.
- ✓Amplion Corp. of America, Suite T, 280 Madison Ave., New York, N. Y. See advertisement, page 141.
- Ample-Tone — see Union Fabric Co.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"
- Atlas-Colonial Corp., East Ave. & Tenth St., Long Island City, N. Y.
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Baker-Smith Co., Call Bldg., San Francisco, Cal. (Sole Distributors for Bel-Canto Radio & Telephone Equipment Co., New York, N. Y.)
- Baldwin, Nathaniel, 3474 S. 23d East St., Salt Lake City, Utah
- Bel-Canto Radio & Telephone Equipment Co.—see Baker-Smith Co.
- Belltone Radio Corp., 81 Crosby St., New York, N. Y.
- ✓Berg Auto Trunk & Specialty Co., Long Island City, N. Y. See advertisement, page 147.
- Best Mfg. Co., 75 Hudson St., Newark, N. J. "Niagara"
- Big Three Radio Corp., 16 Hudson St., New York, N. Y.
- Bisby Mfg. Co., 59 Warren St., New York, N. Y.
- Burns—see American Electric Co.
- California Nightingale — see Stentorfone Co.
- C I C—see Connecticut Instrument Co.
- Columbia Phonograph Co., 1819 Broadway, New York, N. Y.
- Connecticut Instrument Co., 219 South St., Stamford, Conn. "C I C"
- Cremona—see Henry Radio Corp. of America
- Cook, James J., 919 Madison Ave., Baltimore, Md.
- Curtis-Leger Fixture Co., 235 W. Jackson Blvd., Chicago, Ill.
- Dictograph Products Corp., 2200 W. 42d St., New York, N. Y.

- Dymac—see Electrical Products Mfg. Co.
- Electrical Products Mfg. Co., 69 Sprague St., Providence, R. I. "Dymac"
- Essex Wireless Specialty Co., 9 Clinton St., Newark, N. J. "Perfect"
- Fada—see Andrea, F. A. D.
- Fletcher-Wickes Co., 116 W. Illinois St., Chicago, Ill.
- Friedlander-Kopple Radio Service, 149 Church St., New York, N. Y. "Welbilt"
- Fultone—see Hall & Wells
- Globe Phone Mfg. Co., Reading, Mass.
- ✓Goldschmidt Corp., Th., 15 William St., New York, N. Y. "N & K" (Importers.) See advertisement, page 141.
- Granolite Corp., 222 Fourth St., Milwaukee, Wis.
- Hall & Wells, 128 N. Wells St., Chicago, Ill. "Fultone"
- ✓Hamburg Bros., 420-22 Seventh Ave., Pittsburgh, Pa. "Pennyvania" See advertisement, page 67.
- Hardscog Mfg. Co., Ottumwa, Iowa
- Hart & Hageman Mfg. Co., 342 Capitol Ave., Hartford, Conn.
- Henry Radio Corp. of America, 4501 Malden Ave., Chicago, Ill. "Cremona"
- Herzog Radio Corp., 722 Atlantic Ave., Brooklyn, N. Y.
- ✓Holtzer-Cabot Electric Co., 125 Amory St., Boston, Mass. See advertisement, page 111.
- Inter-Ocean Radio Corp., 205 Tenth St., Jersey City, N. J.
- ✓Jewett Radio & Phonograph Co., 5686 Telegraph Rd., Pontiac, Mich. Cataloged on page 175.
- Jodra Mfg. Co., 61 Pier One, Seattle, Wash.
- Jones Agencies, Ed., 640 Natoma St., San Francisco, Cal. (Sole Distributors for Airex Co., New York, N. Y.)
- K-E — see Kirkman Engineering Corp.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover
- Kirkman Engineering Corp., 492 Broome St., New York, N. Y. "K E"
- Kleertone Radio Corp., 298 Church St., New York, N. Y.
- Leader — see Victor Radio Corp.
- Liberty Metal Products Corp., Berea, Ohio
- Magnavox Co., 2725 E. 14th St., Oakland, Cal.
- Melodee—see Roth Radio Co.
- Melotone—see Radio Industries Corp.
- Metro—see Pal Sales Corp.
- Milo Mfg. Co., 781 Broad St., Newark, N. J.
- Mohawk Electric Corp., 2222 Diversey Parkway, Chicago, Ill.

Doubletoroid Coils

Patented
Mar. 31, 1925

"Doubletoroids" can be mounted at any angle or spaced at any distance.

"Doubletoroids" make more selective sets possible, since they do not form miniature loop aerials.

"Doubletoroids" hold static and other disturbances to a minimum since no current from an external source can influence them.

Both primary and secondary are true toroids. The magnetic path is shortest. It is the most compact.



RADIO FOUNDATION, Inc.
25 West Broadway, New York

Patented June 16, 1925



It's Variable

The Nonoise Gridleak improves reception because it can be adjusted for every station. Fits standard brackets. Absolutely noiseless. At all dealers and in the better sets.

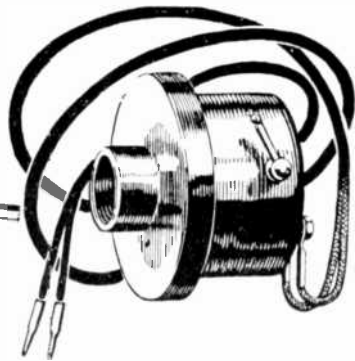
NONOISE GRIDLEAK

Marketing Counsel

The editors and business staff of "Radio Retailing" and "The Radio Trade Directory," the two radio publications of the Company, have been privileged to aid manufacturers of radio products in a number of their marketing and publicity problems.

The facilities of these two publications and the merchandising and advertising counsel of their staffs will be gladly placed at the disposal of any interested radio manufacturer.

New York City



The Jewett Vemco Unit

Makes a loud speaker out of any phonograph, supplying results far superior to those produced by cheap horns with ordinary telephone units.

A genuinely high quality reproducer, adjustable for volume to bring in distant stations to the full limit of your other equipment.

Famous everywhere as the reproducing unit used in the Jewett Superspeaker.

Fits snugly over the phonograph tone arm, and requires no tools to install.

An excellent method of securing results in conditions precluding the use of a high quality horn. Retail at \$12.00; west of the Rockies, \$12.50. Order in multiples of ten. Standard Vemco fits Victrola nipple. Adapters furnished at following list prices:—Edison, \$1.50; Columbia, \$.50; Brunswick, \$.75; Pathe, \$.50; Cheney, \$.50.

"THERE IS NO SUBSTITUTE FOR THE BEST"

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5686 Telegraph Road

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- Morrison Laboratories, Inc., 333 E. Jefferson Ave., Detroit, Mich.
- Mozart-Grand Co., 235 Elizabeth St., Newark, N. J.
- Music Master Corp., 123 N. Tenth St., Philadelphia, Pa.
- Mutual Phono Parts Mfg. Corp., 149 Lafayette St., New York, N. Y.
- Mydar Radio Co., Newark, N. J. "Accuratone." See advertisements, pages 51 and 59.
- Niagara—see Best Mfg. Co. N & K — see Goldschmidt Corp.
- Pal Radio Corp — see Pal Sales Corp.
- Pal Sales Corp., Tube Concourse Bldg., Jersey City, N. J. (Sole Sales Representatives for Pal Radio Corp., Jersey City, N. J.) "Metro"
- Parcells & Co., 68 W. Washington St., Chicago, Ill. See advertisement, page 144.
- Pennsylvania—see Hamburg Bros.
- Perfect—see Essex Wireless Specialty Co.
- Perfectone — see Teleradio Engineering Corp.
- Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
- Potter Tool & Machine Works, 79 E. 130th St., New York, N. Y.
- Presto Machine Products Co., 70 Washington St., Brooklyn, N. Y.
- Radio Industries Corp., 131 Duane St., New York, N. Y. "Melotone"
- Radiocelve Mfg. Co., 368 Jeliff Ave., Newark, N. J.
- Radiolite Corp., 5317 21st Ave., Brooklyn, N. Y.
- Remo Corp., Meriden, Conn.
- Rhamstine, J. Thos., 508 E. Woodbridge, Detroit, Mich. See advertisement, page 103.
- Rola Co., 4250 Hollis St., Oakland, Cal.
- Roth Radio Co., 88 W. Broadway, New York, N. Y. "Melodee"
- Saal Co., H. G., 1800 Montrose Ave., Chicago, Ill.
- Schaeffer Mfg. Co., 226 E. 41st St., Portland, Ore.
- Sonora Phonograph Co., 279 Broadway, New York, N. Y.
- Spartan Electric Corp., 99 Chambers St., New York, N. Y. See advertisement, page 144.
- Splittdorf-Bethlehem Electrical Co., 392 High St., Newark, N. J.
- Standard Metal Mfg. Co., 237 Chestnut St., Newark, N. J.
- Stentorfone Co., 784 Ceres Ave., Los Angeles, Cal. "California Nightingale"
- Teleradio Engineering Corp., 490 Broome St., New York, N. Y. "Perfectone" Cataloged on page 142.
- Trimm Radio Mfg. Co., 24 S. Clinton St., Chicago, Ill. "Acousticola"
- Union Fabric Co., Derby, Conn. "Ampl-Tone"
- United Radio Corp., 115 Caledonia St., Rochester, N. Y.
- Vemco—see Jewett Radio & Phonograph Co.
- Victor Radio Corp., 4321 North Western Ave., Chicago, Ill. "Leader"
- Welbilt — see Friedlander-Kopple Radio Service
- Welty & Co., Wm. A., 36 S. State St., Chicago, Ill.
- Western Electric Co., 100 E. 42d St., New York, N. Y.
- White Beauty Electric Co., 4416 N. Western Ave., Chicago, Ill.
- Whiteland Mfg. Corp., 1600 Chestnut Ave., Brooklyn, N. Y.

UNITS, Tuning—

see Tuners and Tuning Coils

VACUUM LIGHTNING ARRESTERS—

see Arresters, Lightning, Indoor
also Arresters, Lightning, Outdoor

VACUUM TUBE SOCKETS—

see Sockets

VACUUM TUBES—

see Tubes, Vacuum

VARIABLE CONDENSERS—

see Condensers, Variable
also Condensers, Variable Vernier

VARIABLE GRID-LEAKS—

see Grid-Leaks, Variable

VARIOCOUPLER DIALS—

see Dials

VARIOCOUPLERS

- Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon." See advertisement, page 144.
- Aerwin Electric Co., 1008 Springfield Ave., Irvington, N. J.
- Air-King — see Excelsior Radio Co.
- Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
- American Radio & Research Corp., 205 College Ave., Medford Hillside, Mass. "Amrad"
- Amrad—see American Radio & Research Co.
- Andrea, F. A. D., 1581 Jerome Ave., New York, N. Y. "Fada"

- Atec Products Co., 534 W. Elm St., Chicago, Ill.
- Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
- Baldwin Radio Electrical Mfg. Co., 684 Bergen St., Brooklyn, N. Y.
- Bel-Tone Radio Co., 161 Jamaica Ave., Brooklyn, N. Y.
- Bestone—see Hyman & Co.
- Breco — see Bronx Radio Equipment Co.
- Bronx Radio Equipment Co., 687 Courtlandt Ave., New York, N. Y. "Breco"
- Carco—see Carter Mfg. Co.
- Carter Mfg. Co., 1728 Coit Ave., (E. Cleveland) Cleveland, Ohio "Carco"
- Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.
- Columbia Radio Corp., 155 N. Union St., Chicago, Ill.
- Coto-Coil Co., Providence, R. I. See advertisement, page 165.
- Crescent Radio Mfg. Co., 219 Greenwich St., New York, N. Y.
- Dalton-Whittier-Truc Co., 2905 W. Madison St., Chicago, Ill. "Estru"
- Day Fan—see Dayton Fan & Motor Co.
- Dayton Fan & Motor Co., Dayton, Ohio "Day-Fan"
- De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
- Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
- Doron Bros. Electric Co., 325 N. B. St., Hamilton, Ohio
- Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
- Eastern Coil Corp., 22 Warren St., New York, N. Y.
- Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
- Emco Radio Products Co., Jamaica, N. Y.
- Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Pall Mall"
- Estru—see Dalton-Whittier-Truc Co.
- Excelsior Radio Co., 226 Grand St., Brooklyn, N. Y. "Air-King"
- Fada — see Andrea, F. A. D.
- Fallkill Radio & Electrical Corp., Poughkeepsie, N. Y.
- Federal Telephone Mfg. Corp., Buffalo, N. Y.
- Feri Radio Mfg. Co., 1167 Bedford Ave., Brooklyn, N. Y.
- Fischer & Co., G. H., 2604 Myrtle Ave., Glendale, L. I., N. Y.
- Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Id"
- General Radio Co., Windsor St., Cambridge, Mass.
- General Radio Winding Co., 214 Fulton St., New York, N. Y. "Gen-Win"
- Gen-Win—see General Radio Winding Co.
- Gilfillan Bros., 1815 W. 16th St., Los Angeles, Cal.

VARIOCOUPERS**Continued**

Green Seal — see Air-Way Electrical Appliance Corp.
 Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
 Hartman Electrical Mfg. Co., 34 E. Fifth St., Mansfield, Ohio
 Haynes-Griffin Radio Service — see Tested Radio Products
 H & H—see Hart & Hegeman Mfg. Co.
 Hilco—see Hill Mfg. Co.
 Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco"
 Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
 Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J.
 ✓ Jones Radio Mfg. Co., Jos. W., 40-46 W. 25th St., New York, N. Y. See advertisement, page 147.
 ✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
 ✓ Langbein-Kaufman Radio Co., Dept. O., 511 Chapel St., New Haven, Conn. See advertisement, page 126.
 Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
 Manhattan Electrical Supply Co., 17 Park Pl New York, N. Y.
 Marine Radio Mfg. & Electric Co., 1044 St. Nicholas Ave., New York, N. Y.
 Pall-Mall — see Essex Mfg. Co.
 Paragon — see Adams Morgan Co.
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 Pentz Radio Factory, 207 S. Fifth St., Minneapolis, Minn.
 Pioneer Radio Corp., 109 Pioneer Ave., Galesburg, Ill.
 Premier Electric Co., 3805 Ravenswood Ave., Chicago, Ill.
 Radio Products Co., Westport, Conn. "R.P.C."
 Radio Requirements Co., 70 N. Second St., Philadelphia, Pa. "Thurman"
 Raven Radio, Inc., Cobleskill, N. Y.
 Ray-Dee-Artcraft Mfg. Co., 12 E. Central Ave., Redlands, Cal.
 Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
 R.P.C.—see Radio Products Co.
 Shamrock Mfg. Co., 314 Market St., Newark, N. J.
 ✓ Sickle Co., F. W., 142 Union St., Springfield, Mass. See advertisement, page 35.
 Simplex Radio Co., Philadelphia, Pa.
 Terlee Electric & Mfg. Co., 443 S. Dearborn St., Chicago, Ill.

✓ Tested Radio Products, Inc., 244 W. 49th St., New York, N. Y. (National Sales Organization for Haynes-Griffin Radio Service, Inc., New York, N. Y.) See advertisement, page 119.
 Thurman — see Radio Requirements Co.
 Tridot Electric Co., 16 Hudson St., New York, N. Y.
 Un-X-Ld—see Forman & Co.
 WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio
 ✓ Wright Radio Co., 144 Exchange St., Rockland, Mass. See advertisement, page 95.

Carco—see Carter Mfg. Co.
 Carter Mfg. Co., 1728 Colt Ave., (E. Cleveland) Cleveland, Ohio "Carco"
 Chelsea Radio Co., 150 Fifth St., Chelsea, Mass.
 Columbia Radio Corp., 155 N. Union St., Chicago, Ill.
 ✓ Coto-Coil Co., Providence, R. I. See advertisement, page 165.
 Dalton-Whittier-True Co., 2905 W. Madison St., Chicago, Ill. "Estru"
 ✓ Dunziger-Jones, Inc., Dept. D., 25 Waverly Pl., New York, N. Y. "Telos." See advertisement, page 118.
 Day-Fan—see Dayton Fan & Motor Co.
 Dayton Fan & Motor Co., Dayton, Ohio "Day-Fan"
 De Forest Radio Co., Central Ave. & Franklin St., Jersey City, N. J.
 Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
 Doron Bros. Electric Co., 325 N. B St., Hamilton, Ohio
 Eagle Condensers, Inc., 760 Bedford Ave., Brooklyn, N. Y.
 Eisemann Magneto Corp., 165 Broadway, New York, N. Y.
 Emco Radio Products Co., Jamaica, N. Y.
 Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Pall Mall"
 Estru—see Dalton-Whittier-True Co.
 Federal Telephone Mfg. Corp., Buffalo, N. Y.
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 Fischer & Co., G. H., 2604 Myrtle Ave., Glendale, L.I., N. Y.
 Forman & Co., 366 Greenwich St., New York, N. Y. "Un-X-Ld"
 General Radio Co., 11 Windsor St., Cambridge, Mass.
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 Gen-Win—see General Radio Winding Co.
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 Green Seal — see Air-Way Electrical Appliance Corp.
 Hart & Hegeman Mfg. Co., 342 Capitol Ave., Hartford, Conn. "H & H"
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 Hilco—see Hill Mfg. Co.
 Hill Mfg. Co., A. E., 80 Mangum St., Atlanta, Ga. "Hilco"
 Hyman & Co., Henry, 476 Broadway, New York, N. Y. "Bestone"
 Imperial Electric Mfg. Co., 58 Columbia St., Newark, N. J.
 ✓ Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. See Inside Back Cover.
 ✓ Langbein-Kaufman Radio Co., Dept. O., 511 Chapel St., New Haven, Conn. See advertisement, page 126.

VARIOCOUPERS,**Hard Rubber—**

see Variocouplers

VARIOCOUPERS,**Molded—**

see Variocouplers

VARIOCOUPERS,**Wooden—**

see Variocouplers

VARIOMETER**DIALS—**

see Dials

VARIOMETERS

A-C Electrical Mfg. Co., Dayton, Ohio
 ✓ Adams Morgan Co., 4 Alvin Ave., Upper Montclair, N. J. "Paragon." See advertisement, page 144.
 Aerwin Electric Co., 1008 Springfield Ave., Irvington, N. J.
 Air-Way Electric Appliance Corp., 618 Broadway, Toledo, Ohio "Green Seal"
 American Radio & Research Corp., 205 College Ave., Medford Hillside, Mass. "Amrad"
 Amrad—see American Radio & Research Co.
 Atec Products Co., 534 W. Elm St., Chicago, Ill.
 Atwater Kent Mfg. Co., 4700 Wissahickon Ave., Philadelphia, Pa.
 Audiola Radio Co., 430 S. Green St., Chicago, Ill.
 Baldwin Radio Electrical Mfg. Co., 684 Bergen St., Brooklyn, N. Y.
 Bel-Tone Radio Co., 161 Jamaica Ave., Brooklyn, N. Y.
 Bestone—see Hyman & Co.
 Breco — see Bronx Radio Equipment Co.
 Bronx Radio Equipment Co., 687 Courtlandt Ave., New York, N. Y. "Breco"

VARIOMETERS**Continued**

- Magnus Electric & Radio Mfg. Corp., 787 E. 138th St., New York, N. Y.
- Manhattan Electrical Supply Co., 17 Park Pl., New York, N. Y.
- Morse Co., Frank W., 289 Congress St., Boston, Mass.
- Pall Mall — see Essex Mfg. Co.
- Paragon—see Adams Morgan Co.
- Pathe Phonograph & Radio Corp., 20 Grand Ave., Brooklyn, N. Y.
- Peerless—see United Radio Corp.
- Pioneer Radio Corp., 109 Pioneer Ave., Galesburg, Ill.
- Radio Products Co., Westport, Conn. "R.P.C."
- Raven Radio, Inc., Cobleskill, N. Y.
- Remler Radio Mfg. Co., 182 Second St., San Francisco, Cal.
- R.P.C. — see Radio Products Co.
- Shamrock Mfg. Co., 314 Market St., Newark, N. J.
- ✓Sickles Co., F. W., 142 Union St., Springfield, Mass. See advertisement, page 35.
- Sleeper Radio Corp., 430 Washington Ave., Long Island City, N. Y.
- Telos — see Danziger-Jones, Inc.
- United Radio Corp., 115 Calendon St., Rochester, N. Y. "Peerless"
- Un-X-Ld—see Forman & Co.
- Waterbury Button Co., Waterbury, Conn.
- WorkRite Mfg. Co., 1812 E. 30th St., Cleveland, Ohio

VARIOMETERS,**Hard Rubber—**

see Variometers

VARIOMETERS,**Molded—**

see Variometers

VARIOMETERS,**Split—**

see Variometers

VARIOMETERS,**Wooden—**

see Variometers

VARNISH, Finishing—

see Lacquers, Crystallizing

VARNISH, Insulating

- Amdivar—see American Di-Electrics, Ltd.
- American Di-Electrics, Ltd., 466 E. Seventh St., Brooklyn, N. Y. "Amdivar"
- "Armovar"
- Armovar—see American Di-Electrics, Ltd.
- Czukor, Josef, 34 Easton Ave., New Brunswick, N.J. "Radiapara"
- Daniel Specialty Co., 5232 Melrose Ave., Los Angeles, Cal.
- Dielectric Mfg. Co., Vandeventer & Duncan Aves., St. Louis, Mo.
- General Electric Co., Bridgeport, Conn.
- Impervious Varnish Co., Pittsburgh, Pa.
- Insulation Products Co., 426 Plymouth St., Chicago, Ill. "Radopaint"
- Irvington Varnish & Insulator Co., Tremont Terrace, Irvington, N. J.
- ✓Kellogg Switchboard & Supply Co., 1066 W. Adams St., Chicago, Ill. "Wilbur." See Inside Back Cover.
- M. I. C.—see Mica Insulator Co.
- Mica Insulator Co., 68 Church St., New York, N. Y. "M. I. C."
- Mitchell-Rand Mfg. Co., 18 Vesey St., New York, N. Y.
- Neumade Products Corp., 249 W. 47th St., New York, N. Y. "Radolene"
- Radiapara — see C z u k o r, Josef
- Radiolac—see Weber Electric Works
- Radolene — see Ne u m a d e Products Corp.
- Radopaint — see Insulation Products Co.
- Red Triangle — see Shellac Co. of New York
- Ruberoid Co., 95 Madison Ave., New York, N. Y.
- Safe-Guard Insulation Co., Lansdale, Pa.
- Shellac Co. of New York, Woolworth Bldg., New York, N. Y. "Red Triangle"
- Sterling Varnish Co., Pittsburgh, Pa.
- Walker Mfg. Co., 247 Scott St., San Francisco, Cal.
- Weber Electric Works, Cleveland, Ohio "Radiolac"
- Westinghouse Electric & Mfg. Co., E. Pittsburgh, Pa.
- Wilbur—see Kellogg Switchboard & Supply Co.

VARNISHED**TUBING—**

see Tubing, Spaghetti

VERNIER**ATTACHMENTS—**

see Attachments, Vernier

VERNIER**CONDENSERS—**

see Condensers, Variable Vernier

VERNIER DIALS—

see Dials, Vernier

VIBRATOR**RECTIFIERS—**

see Rectifiers, Vibrator

VICES, Bench

- Earbour-Stockwell Co., 205 Broadway, Cambridgeport, Mass.
- Bonney Forge & Tool Works, Allentown, Pa. "Lehigh"
- Braunsdorf-Mueller Co., 205 Madison St., Elizabeth, N. J.
- Columbia Hardware Co., 5113 Hamilton Ave., Cleveland, Ohio
- Erie Tool Works, 11th & French Sts., Erie, Pa.
- Fisher & Norris, 37 Fair St., Trenton, N. J.
- Goodell-Pratt Co., Wells St., Greenfield, Mass.
- Hollands Mfg. Co., 348 E. 18th St., Erie, Pa.
- Lehigh—see Bonney Forge & Tool Works
- Millers Falls Co., Millers Falls, Mass.
- Morgan Vise Co., 560 Washington Blvd., Chicago, Ill.
- New Britain Tool Mfg. Co., 10 Harvard St., New Britain, Conn.
- North Bros. Mfg. Co. American St. & Lehigh Ave., Philadelphia, Pa. "Yankee"
- Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"
- Pexto — see Peck, Stow & Wilcox Co.
- Prentiss Vise Co., 110 Lafayette St., New York, N.Y.
- Radiovise—see Rock Island Mfg. Co.
- Reed Mfg. Co., Erie, Pa.
- Rock Island Mfg. Co., Rock Island, Ill. "Radiovise"
- Starrett Co., L. S., 165 Crescent St., Athol, Mass.
- Stearns & Co., E. C., Syracuse, N. Y.
- Ware Vise Co., Capital Bank Bldg., St. Paul, Minn.
- Yankee — see North Bros. Mfg. Co.

VICES, Hand

- Braunsdorf-Mueller Co., 205 Madison St., Elizabeth, N. J.
- Goodell-Pratt Co., Wells St., Greenfield, Mass.
- K & B — see Kilbourne & Bishop Co.
- Kilbourne & Bishop Co., 196 Chapel St., New Haven, Conn. "K & B"
- Lowell Wrench Co., 54 Commercial St., Worcester, Mass.
- Starrett Co., L. S., 165 Crescent St., Athol, Mass.
- Stearns & Co., E. C., Onelda St., Syracuse, N. Y.

VOLTAMMETERS—
see Ammeters and Voltmeters

WASHERS, Copper—
see Washers, Brass and Copper

California Radio Minerals,
904 Oak Grove Ave., Burlingame Cal. "A-1"

VOLTMETERS, Filament—
see Ammeters and Voltmeters, Panel

WASHERS, Felt
✓American Felt Co., 213 Congress St., Boston, Mass. See advertisement, page 61.

Chamberlin, V. L., 88 N. Saginaw St., Pontiac, Mich.
Desert Cactus—see T. N. T. Products Co.

VOLTMETERS, Panel Type—
see Ammeters and Voltmeters, Panel

Booth Felt Co., 463 19th St., Brooklyn, N. Y.
✓Brawley, T. R., 275-77 20th St., Brooklyn, N. Y. See advertisement, page 60.
Monarch Felt Works, 39 York St., Brooklyn, N. Y.
Schoonmaker Insulation Co., A. O., 30 University Pl., New York, N. Y.

✓Foote Radio Corp., 1609 Summer St., Philadelphia, Pa. "Variotenser" See advertisements, pages 48 and 173.

VOLTMETERS, Plate—
see Ammeters and Voltmeters, Panel

WASHERS, Lock
Keystone—see Positive Lock Washer Co.

Gold Medal — see Morris, Walter C.
I. X. L.—see U. C. Battery & Electric Co.
Keystone Products Co., 304 Gardenia Ave., Royal Oak, Mich.

VOLTMETERS, Pocket—
see Ammeters and Voltmeters, Pocket

National Lock Washer Co., 40 Hermon St., Newark, N. J.
Positive Lock Washer Co., Ave. A & Miller St., Newark, N. J. "Keystone"
Reliance Mfg. Co., Massillon, Ohio
Shakeproof Lock Washer Co., 2501 N. Keeler Ave., Chicago, Ill.

Melodian Laboratories, Independence, Mo.
Miller Radio Co., A. H., 1259 W. Grand Blvd., Detroit, Mich. "Platine"

VULCANIZED FIBRE—
see Fibre, Hard

WALL JACKS—
see Jacks, Wall Receptacle

WATER, Distilled
Battery Equipment & Supply Co., 1638 S. Wabash Ave., Chicago, Ill. "Besco"
Besco—see Battery Equipment & Supply Co.

Moore Mfg. Co., 169 Bloomfield Ave., Bloomfield, N. J.
Morris, Walter C., 168 Rosister Ave., Yonkers, N. Y. "Gold Medal"

WASHERS, Brass and Copper
Ambrac—see American Brass Co.

WAVE FILTERS—
see Traps, Wave

✓Permanko Mfg. Corp., 1114 De Kalb Ave., Brooklyn, N. Y. "Fremo." See advertisement, page 33.
Platine—see Miller Radio Co.
Premo—see Permanko Mfg. Corp.

American Brass Co., Waterbury, Conn. "Ambrac"

WAVE METERS—
see Meters, Wave

Rusonite Products Corp., 15 Park Row, New York, N. Y.
✓Star Crystal Co., 527 Woodward Ave., Detroit, Mich. (Sole Distributors for B-Metal Refining Co., Detroit, Mich.) See advertisement, page 48.

✓Arrow Hardware Corp., 27 Ventry St., New York, N. Y. See advertisement, page 150.

WAVE SELECTORS—
see Traps, Wave

Taylor Electric Co., 1206 Broad St., Providence, R. I.
T. N. T. Radio Products Co., 1344 Fillmore St., San Francisco, Cal. "Desert Cactus"

Bridgeport Brass Co., Bridgeport, Conn.
Chicago Nut Mfg. Co., 2513 W. Cullerton St., Chicago, Ill.

WAVE TRAPS—
see Traps, Wave

U. C. Battery & Electric Co., 2158 University Ave., Berkeley, Cal. "I. X. L."
Variotenser—see Foote Radio Corp.
Westville Mfg. Co., 705 Chestnut St., Philadelphia, Pa.

Granmes & Sons, L. F., 438 Union St., Allentown, Pa.
Guarantee Specialty Mfg. Co., 5100 Superior Ave., Cleveland, Ohio

WHISKER BRACKETS, Cat—
see Brackets, Cat Whisker

WINDERS, Coil
For Coil Winding Machines—see Machines, Coil Winding

Massachusetts Machine Shop, 817 Albany St., Boston, Mass.
Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago, Ill.

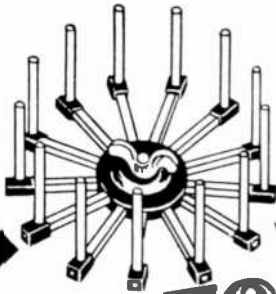
WHISKERS, Cat
A-1 — see California Radio Minerals

Atec Products Co., 534 W. Elm St., Chicago, Ill.
✓Coto-Coil Co., Providence, R. I. See advertisement, page 165.

Rome Brass & Copper Co., Bouck St., Rome, N. Y.
Sterle & Johnson Mfg. Co., 779 S. Main St., Waterbury, Conn.

Aeolus Corp., 161 Grand St., New York, N. Y.
B-Metal Refining Co. — see Star Crystal Co.

Covey-Snedden Co. — see Wireless Electric Co.
Goodell-Pratt Co., Wells St., Greenfield, Mass.
Radio Production Machinery Co., 212 Centre St., New York, N. Y.



VISTO Low LOSS COIL WINDER

Adjustable for winding low loss coils of either flat or vertical type in any diameter from two to five inches.

Suitable for winding figure "8" coils and other special shapes.

Flat Type \$1.25 net. Combination Type \$2.50 net.

Special counter display card furnished free with initial order.

Ask for our liberal discount.

PAT. PEND.

VISTO PRODUCTS CO.
No. 92. JAMAICA, N.Y.

WHEN information is desired about electrical merchandise see how naturally and quickly reference is made to *Electrical Merchandising*.

Electrical Merchandising is not only an authority in the solving of electrical merchandising problems but its service includes practical helps, merchandising ideas, inspiration and sales enthusiasm.

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Electrical Merchandising

WINDERS, Coil Continued

Wireless Electric Co., 204 Stanwix St., Pittsburgh, Pa. (Sole Distributors for Covey-Snedden Co., Pittsburgh, Pa.) "See Ess"

Wizard Wire Winder Co., 3812 Central Ave., Los Angeles, Cal.

WINDING FORMS, Coil—

see *Forms*, Coil Winding

WINDING JIGS, Coil—

see *Jigs*, Coil Winding

WINDING MACHINES—

see *Machines*, Coil Winding

WINDINGS, Coil

Acme Products Co., 107 W. Canton St., Boston, Mass. "A-P"

Acme Wire Co., Dixwell Ave., New Haven, Conn.

A-P—see Acme Products Co. Auman, F. W., 1218 Franklin Ave., Wilkinsburg, Pa.

Automotive & Radio Mfg. Corp., 451 Greenwich St., New York, N. Y.

✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.

Doyle Dacosta Mfg. Co., Easton, Pa.

✓Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.

Eastern Coil Corp., 22 Warren St., New York, N. Y.

✓Eastern Electric & Mfg. Co., Providence, R. I. See advertisement, page 35.

Easton Coil Co., Centre & Mauch Chunk Sts., Easton, Pa.

Excelsior Radio Co., 226 Grand St., Brooklyn, N. Y.

Kenyon Mfg. Co., 2360 Amsterdam Ave., New York, N. Y.

Robertson-Davis Co., 412 Orleans St., Chicago, Ill.

✓Teleradio Engineering Corp., 190 Broome St., New York, N. Y. Cataloged on page 112.

Transcontinental Coil & Winding Co., 241 Market St., Newark, N. J.

Varley Duplex Magnet Co., 15 Exchange Pl., Jersey City, N. J.

Whittier & Ditmar, 1646 Beacon St., Brookline, Mass.

WINDINGS, Potentiometer and Rheostat

Fenton, N., 57 Murray St., New York, N. Y.
Perry Wire Works, 280 New Main St., Yonkers, N. Y.

WIRE, Antenna—

see *Wire*, Braided Copper
also *Wire*, Copper Clad
Steel
also *Wire*, Enameled Copper
also *Wire*, Flat or Strip
Copper
also *Wire*, Gold Plated
also *Wire*, Single Strand
Copper
also *Wire*, Stranded Copper
also *Wire*, Stranded Enam-
eled
also *Wire*, Tubular Copper
Antenna

WIRE, Bell

American Steel & Wire Co., 208 S. La Salle St., Chicago, Ill.
Ansonia Electrical Co., Ansonia, Conn.

✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.

Chicago Insulated Wire & Mfg. Co., Sycamore, Ill.

**WIRE, Bell
Continued**

- ✓Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico" See advertisement, page 181.
- Corwico—see Cornish Wire Co.
- Davis-Jones Insulated Wire Co., Pawtucket, R. I.
- Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
- Holyoke Co., 621 Broadway, New York, N. Y.
- New England Electrical Works—see Goldmark Co.
- Roebbling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.

**WIRE, Braided
Copper Antenna**

- Amplitone—see Shinn Mfg. Co.
- ✓Belden Mfg. Co., 2320-n S. Western Ave., Chicago, Ill. See advertisement, page 183.
- Bosworth Line & Wire Co., East Homer, N. Y.
- ✓Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico." See advertisement, page 181.
- Corwico—see Cornish Wire Co.
- ✓Dudio Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
- Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
- New England Electrical Works—see Goldmark Co.
- Raco—see Ross Wire Co.
- Roebbling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
- ✓Ross Wire Co., 69 Bath St., Providence, R. I. "Raco" See advertisement, page 182.
- Shinn Mfg. Co., W. C., 2024 N. Racine St., Chicago, Ill. "Amplitone"
- Springfield Wire & Tinsel Co., 67 Taylor St., Springfield, Mass.

**WIRE, Brass and
Copper**

- Ajax—see Fraser Wire Co.
- Baltimore Brass Co., 1204 Wicomico St., Baltimore, Md.
- ✓Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico." See advertisement, page 181.
- Corwico—see Cornish Wire Co.

"From the Ground Up"

Use



Radio Wires

A complete line of Quality Radio Wires for the Jobber and Manufacturer carefully made to meet all demands of the Radio Industry.

ANTENNA WIRE
MAGNET WIRE
LITZ WIRE
LEAD-IN WIRE
FLEXIBLE SILK WIRE

BUS BAR WIRE
ANNUNCIATOR WIRE
LOOP AERIAL WIRE
GUY WIRE
DETECTOR WIRE

And the New Fast Seller

Corwico Braided Ribbon Antenna
Plain, Tinned, or Enameled

Counter Display Cartons FREE to Jobbers.

Write for details.

JOBBERS! Write for Our Distributor's Proposition

CORNISH WIRE CO.

30 Church St., New York, N. Y.

AERIAL WIRE

Pure Copper

**Solid—Stranded
Bare—Tinned—Enameled**

Our plant is equipped with the newest and most improved machinery for wire manufacture, with new wrinkles in the way of short cuts to production that bring down costs for all of us—maximum production, consistently maintained.



Resident Agents Wanted

Nichrome

TRADE MARK REG. U. S. PAT. OFF.

for Radio Rheostats is made with a special smooth finish because a clean, bright surface is required for perfect contact.

It is this perfect sliding contact which eliminates unnecessary noise, and improves reception.

The high resistivity of "Nichrome" makes it the wire for compact design.

Remember:—There is no such word as "Nichrome"—it is a trade mark of alloys made only by the

Driver-Harris Company
Harrison, N. J.

EVERY KIND OF ANTENNA WIRE

SOLID
In copper.
In tinned.
In enameled.

BRAIDED
In tinned.
In enameled.
In bronzed.
16 strands and
20 strands.

STRANDED
Plain copper.
Tinned.
Enameled.
7 by 22 and 7 by 24.

FLAT RIBBON
In copper.
In tinned.
In enameled.
17 strands and
25 strands.

We also make silk and cotton covered loop wire, as well as Litz wire. 10 to 65 strands. We make special wires for special purposes and as this is our entire business we are in a position to give you the best at the lowest price, and Quick Deliveries. Just tell us what you need.

Dealers Everywhere. Ask Your Jobber for Literature and Sales-Pulling Prices.

REPRESENTATIVES: *Pacific Coast:* Frederick L. Tomlinson Co., 443 South San Pedro St., Los Angeles, Cal. *New York City:* Hatheway & Co., 16 Hudson St., New York City. *Philadelphia:* Hatheway & Co., 711 North 41st St., Philadelphia, Pa.

ROSS WIRE COMPANY
69 Bath Street, Providence, R. I.

MAGNET WIRE

by

Fortified Insulation
Method

Allied

Highest Dielectric strength

Maximum Flexibility

Absolute Uniformity

PLUS

A dependable source of
supply

Sample on request.

**ALLIED MAGNET WIRE
CORP.**

Indianapolis, Ind.

District Offices

New York

Chicago

Detroit

The

RADIO TRADE DIRECTORY'S

List of Wholesalers

gives the names of all concerns whose Radio business is 50% or more wholesale.

Names of Managers and Buyers, territory covered, number of men traveled, amount of stock carried and much other pertinent data is also given.

It will help you solve your jobber problems.

*Further particulars
will be gladly furnished
on request.*

The Radio Trade Directory



Nationally Advertised—Carefully Merchandised

Three Big Sellers

1. Enameled Aerial Wire

Is very popular and in big demand. Affords profitable margin with rapid turnover.

2. Loop Antenna Wire

A special loop wire that does not sag or stretch. Very efficient. Ideal for collapsible loops.

3. Belden Battery Cord

For A and B batteries. Replaces tangled wires. Saves tubes. Very popular.

Other Profitable Belden Items

Magnet Wire	Tinned Hookup Wire
Insulating Tubing	Insulated Hookup Wire
Tips & Terminals	Shielded Hookup Wire
Rosin-Core Solder	Litz Wire

Write for Rad'io Catalog

MILLIONS of radio fans read Belden nationwide advertising every month. Full-page stories in such well-known publications as Radio News, Popular Radio, American Boy, Radio Digest, Radio Broadcast, etc., are interesting fans in Belden Radio Products and creating profitable sales for Belden dealers.

Distinctive Belden Cartons

are used in merchandising Belden Radio Products. These colorful cartons are quickly recognized by radio fans and draw new customers into your store. They dress up your windows and show-cases. They keep the stock new and fresh. Belden Merchandising Methods are boosting dealer turnover and profits. Write for our big co-operative sales plan, now.

Belden Manufacturing Company

General Office and Factory
2320-a So. Western Ave., Chicago, Ill.

Eastern Office and Warehouse
399 Market St., Newark, N. J.

Manufacturers of Electrical Wire Products since 1902

When writing advertisers, please mention THE RADIO TRADE DIRECTORY

WIRE, Brass and Copper Continued

- Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
 Roebling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
 ✓ Scovill Mfg. Co., Waterbury, Conn. See advertisement, page 113.
 Strand & Sweet Mfg. Co., Winsted, Conn.

WIRE, Bus—

see Wire, Bus-Bar

WIRE, Bus-Bar

- Acme Wire Co., Dixwell Ave., New Haven, Conn. "Celatsite"
 Ajax—see Fraser Wire Co.
 Ajax—see Philmore Mfg. Co.
 Alpha Radio Supply Co., 611 Broadway, New York, N. Y.
 Anaconda Copper Mining Co., 25 Broadway, New York, N. Y.
 Atlantic Insulated Wire & Cable Co., Rome, N. Y.
 Bassett Metal Goods Co., Derby, Conn.
 ✓ Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
 Celatsite—see Acme Wire Co.
 Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
 Cook Plate Co., Edward N., 70 Ship St., Providence, R. I.
 ✓ Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico." See advertisement, page 181.
 Corwico—see Cornish Wire Co.
 Doran & Sons, James C., 150 Chestnut St., Providence, R. I.
 ✓ Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
 Essex Mfg. Co., 117 Mulberry St., Newark, N. J. "Skwareflex." "Rondflex"
 Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
 Hatheway & Co., 16 Hudson St., New York, N. Y.
 Musselman, A. J., 549 Washington Blvd., Chicago, Ill.
 Philmore Mfg. Co., 105 Chambers St., New York, N. Y. "Ajax"
 Roebling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
 Rome Wire Co., Rome, N. Y.
 Rondflex—see Essex Mfg. Co.
 Skwareflex—see Essex Mfg. Co.

WIRE CLIPS—

see Clips, Connecting

WIRE CONNECTORS—

see Connectors, Solderless Bus-Wire

WIRE COPPER—

see Wire, Brass and Copper

WIRE, Copper Clad Steel Antenna

- ✓ Apex Stamping Co., Dept. D, Riverdale, Ill. "Jiffy" See advertisements, pages 9, 148, 149 and 167.
 Aristos—see Copperweld Steel Co.
 Copperweld Steel Co., Rankin, Pa. "Aristos"
 Jiffy—see Apex Stamping Co.
 Standard Underground Cable Co., 17th & Pike Sts., Pittsburgh, Pa.

WIRE, Enameled Copper Antenna

- AirTram—see Radio-Electric Mfg. Co.
 American Insulated Wire & Cable Co., 954 W. 21st St., Chicago, Ill.
 Ansonia Electrical Co., Ansonia, Conn.
 ✓ Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
 Bosworth Line & Wire Co., East Homer, N. Y.
 Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico"
 Corwico—see Cornish Wire Co.
 ✓ Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
 Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
 New England Electrical Works—see Goldmark Co.
 Raco—see Ross Wire Co.
 ✓ Radio-Electric Mfg. Co., 442 Clinton Ave., Newark, N. J. "AirTram" See advertisement, page 181.
 Roebling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
 ✓ Ross Wire Co., 69 Bath St., Providence, R. I. "Raco." See advertisement, page 182.

WIRE, Flat or Strip Copper Antenna

- Acorn Radio Mfg. Co., 307 W. Lake St., Chicago, Ill.
 Baltimore Brass Co., 1204 Wicomico St., Baltimore, Md.
 Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
 National Metal Molding Co., Fulton Bldg., Pittsburgh, Pa.
 Raco—see Ross Wire Co.
 ✓ Ross Wire Co., 69 Bath St., Providence, R. I. "Raco." See advertisement, page 182.

WIRE,

Gold Plated Antenna

- American Luminous Products Co., 320 Marbisa Ave., Huntington Park, Cal. "Gosilco"

Goldenrod—see Imp Radio Corp.
 Gosilco—see American Luminous Products Co.
 Imp Radio Corp., 6 E. Lake St., Chicago, Ill. "Goldenrod"

WIRE, Ground—

see Wire, Rubber Covered

WIRE, Insulated—

see Wire, Bell also Wire, Magnet also Wire, Rubber Covered

WIRE, Lead-In—

see Wire, Rubber Covered

WIRE, Litz—

see Wire, Stranded Enamelled

WIRE, Magnet

- Acme Wire Co., Dixwell Ave., New Haven, Conn. "Enamelite"
 ✓ Allied Magnet Wire Corp., Indianapolis, Ind. See advertisement, page 182.
 Amelectric—see American Electrical Works
 American Electrical Works, Phillipsdale, R. I. "Amelectric"
 American Enameled Magnet Wire Co., Muskegon, Mich.
 American Insulated Wire & Cable Co., 954 W. 21st St., Chicago, Ill.
 American Steel & Wire Co., 208 S. LaSalle St., Chicago, Ill.
 Ansonia Electrical Co., Ansonia, Conn.
 Atlantic Insulated Wire & Cable Co., Rome, N. Y.
 ✓ Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
 Bosworth Line & Wire Co., East Homer, N. Y.
 Bradford, Kyle & Co., Plymouth, Mass.
 Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
 ✓ Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico." See advertisement, page 181.
 Corwico—see Cornish Wire Co.
 ✓ Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
 Enamelite—see Acme Wire Co.
 Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
 Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)

**Wire, Magnet
Continued**

Harvey Wire Co., 10 Argyle Terrace, Irvington, N. J.
 Holyoke Co., 621 Broadway, New York, N. Y.
 Maring Wire Co., Muskegan, Mich.
 Massachusetts Electric Mfg. Co., 11 Margin St., West Lynn, Mass.
 New England Electrical Works—see Goldmark Co.
 Philadelphia Insulated Wire Co., 200 N. Third St., Philadelphia, Pa.
 Roebing's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
 Rome Electrical Co., Rome, N. Y.
 Rome Wire Co., Rome, N. Y.
 Standard Underground Cable Co., 17th & Pike Sts., Pittsburgh, Pa.
 Sterling Insulated Wire Co., 519 Main St., Pawtucket, R. I.
 Strand & Sweet Mfg. Co., Winsted, Conn. "Sweet-strand"
 Sweetstrand—see Strand & Sweet Mfg. Co.
 Super-Insulated Wire Co., Plymouth, Mass.
 Wheeler Insulated Wire Co., 1188 Main St., Bridgeport, Conn.

**WIRE, Platinum—
see Platinum****WIRE, Resistance**

Bradford, Kyle & Co., Plymouth, Mass.
 Chromel—see Hoskins Mfg. Co.
 Cupron—see Gilby Wire Co.
 Driver-Harris Co., Harrison, N. J. "Nichrome." See advertisement, page 182.
 Elalco—see Electrical Alloy Co.
 Electrical Alloy Co., Ridge-dale Ave. & John St., Morristown, N. J. "Elalco" "Karma"
 Gilby Wire Co., 123 Jackson St., Newark, N. J. "Cupron" "Solar" "Tophet"
 Hoskins Mfg. Co., Detroit, Mich. "Chromel"
 Karma—see Electrical Alloy Co.
 Nichrome—see Driver-Harris Co.
 Novar—see Standard Alloy Wire Co.
 Perry Wire Works, 280 New Main St., Yonkers, N. Y.
 Solar—see Gilby Wire Co.
 Standard Alloy Wire Co., 863 Sheridan Ave., Elizabeth, N. J. "Novar"
 Super-Insulated Wire Co., Plymouth, Mass.
 Tophet—see Gilby Wire Co.

**WIRE, Rheostat—
see Wire, Resistance****WIRE, Rubber Covered**

A-A Wire Co., 110 E. 42d St., New York, N. Y.
 AirTram—see Radio-Electric Mfg. Co.
 Amelectric—see American Electrical Works
 American Electrical Works
 American Insulated Wire & Cable Co., 954 W. 21st St., Chicago, Ill.
 American Steel & Wire Co., 208 S. LaSalle St., Chicago, Ill.
 Ansonia Electrical Co., Ansonia, Conn.
 Aristos—see Copperweld Steel Co.
 Atlantic Insulated Wire & Cable Co., Rome, N. Y. "Dolphin"
 Bay State Insulated Wire & Cable Co., (Mattapan) Boston, Mass.
 Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
 Bishop Wire & Cable Corp., 420 E. 25th St., New York, N. Y.
 Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
 Copperweld Steel Co., Rankin, Pa. "Aristos"
 Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico" See advertisement, page 181.
 Corwico—see Cornish Wire Co.
 Davis-Jones Insulated Wire Co., Pawtucket, R. I.
 Detroit Insulated Wire Co., 4561 Wesson Ave., Detroit, Mich.
 Diamond Braiding Mills, Chicago Heights, Ill.
 Dolphin—see Atlantic Insulated Wire & Cable Co.
 Eagle—see Marion Insulated Wire & Rubber Co.
 Goodyear Rubber Insulating Co.—see Western Electric Co.
 Grico—see Western Electric Co.
 Hazard Mfg. Co., Wilkes-Barre, Pa.
 Illinois Wire & Cable Co., Sycamore, Ill.
 Indiana Rubber & Insulated Wire Co., Jonesboro, Ind. "Paranite"
 Lowell Insulated Wire Co., Lowell, Mass.
 Marion Insulated Wire & Rubber Co., Marion, Ind. "Eagle"
 Musselman, A. J., 549 Washington Blvd., Chicago, Ill.
 Okonite Co., Canal St., Passaic, N. J.
 Parac—see Philips Wire Co.
 Paranite—see Indiana Rubber & Insulated Wire Co.
 Phillips Wire Co., Pawtucket, R. I. "Parac"
 Providence Insulated Wire Co., 58 Waldo St., Providence, R. I.

Radio-Electric Mfg. Co., 442 Clinton Ave., Newark, N. J. "AirTram" See advertisement, page 181.
 Roebing's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
 Rome Wire Co., Rome, N. Y.
 Safety Insulated Wire & Cable Co., 114 Liberty St., New York, N. Y.
 Standard Underground Cable Co., 17th & Pike Sts., Pittsburgh, Pa.
 Triangle Conduit Co., Dry Harbor Rd. & Cooper Ave., Brooklyn, N. Y.
 WB—see Western Electric Co.
 Western Electric Co., 100 E. 42d St., New York, N. Y. (Sole Distributors for Whitney Blake Co., New Haven, Conn. "WB") also (Goodyear Rubber Insulating Co., New York, N. Y. "Grico") See advertisement, page 29.
 Whitney Blake Co.—see Western Electric Co.

**WIRE, Single Strand
Copper Antenna**

see also Wire, Brass and Copper
 Acme Wire Co., Dixwell Ave., New Haven, Conn. "Celatsite"
 AirTram—see Radio-Electric Mfg. Co.
 Ajax—see Fraser Wire Co.
 American Brass Co., Waterbury, Conn. "Anaconda"
 American Insulated Wire & Cable Co., 954 W. 21st St., Chicago, Ill.
 Anaconda—see American Brass Co.
 Ansonia Electrical Co., Ansonia, Conn.
 Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
 Celatsite—see Acme Wire Co.
 Consolidated Wire & Associated Corp., 430 S. Green St., Chicago, Ill.
 Copperweld Steel Co., Rankin, Pa.
 Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico" See advertisement, page 181.
 Corwico—see Cornish Wire Co.
 Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
 Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
 Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
 Hatfield Rubber Works, 90 Academy St., Newark, N. J.
 National Metal Molding Co., Fulton Bldg., Pittsburgh, Pa.
 New England Electrical Works—see Goldmark Co.
 Raco—see Ross Wire Co.

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WRENCHES

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Dept. RD, NIAGARA FALLS, N. Y.

**WIRE, Single Strand
Copper Antenna
Continued**

- ✓Radio-Electric Mfg. Co., 442 Clinton Ave., Newark, N. J. "AirTram." See advertisement, page 181.
- Roebling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.
- Rome Wire Co., Rome, N. Y.
- ✓Ross Wire Co., 69 Bath St., Providence, R. I. "Raco." See advertisement, page 182.
- Standard Underground Cable Co., 17th & Pike Sts., Pittsburgh, Pa.
- Xardell Corp., Burrstone Rd., Utica, N. Y.

WIRE SKINNERS—
see Tools, Wire Stripping

WIRE SOLDER—
see Solder, Bar

**WIRE,
Special Cat Whisker**

- ✓Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico." See advertisement, page 181.
- Corwico—see Cornish Wire Co.

**WIRE, Stranded Copper
Antenna**

- Acme Wire Co., Dixwell Ave., New Haven, Conn.
- AirTram—see Radio-Electric Mfg. Co.
- Ajax—see Fraser Wire Co.
- American Brass Co., Waterbury, Conn. "Anaconda"
- Anaconda—see American Brass Co.
- Atlantic Insulated Wire & Cable Co., Rome, N. Y.
- ✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
- ✓Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico" See advertisement, page 181.
- Corwico—see Cornish Wire Co.
- ✓Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.
- Fraser Wire Co., Russell, 115 Lexington Ave., Maspeth, L. I., N. Y. "Ajax"
- Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
- New England Electrical Works—see Goldmark Co.
- ✓Radio-Electric Mfg. Co., 442 Clinton Ave., Newark, N. J. "AirTram." See advertisement, page 181.

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Stranded Enameled**
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Ansonia Electrical Co., Ansonia, Conn.
✓Belden Mfg. Co., 2320-a S. Western Ave., Chicago, Ill. See advertisement, page 183.
Cornish Wire Co., 30 Church St., New York, N. Y. "Corwico"

Corwico—see Cornish Wire Co.
✓Dudlo Mfg. Corp., Fort Wayne, Ind. See advertisement, page 35.

Goldmark Co., James, 83 Warren St., New York, N. Y. (Gen. Sales Agents for New England Electrical Works, Lisbon, N. H.)
New England Electrical Works—see Goldmark Co.
Raco—see Ross Wire Co.

✓Radio-Electric Mfg. Co., 442 Clinton Ave., Newark, N. J. "AirTram" See advertisement, page 181.

Roebling's Sons Co., John A., S. Broad & Canal Sts., Trenton, N. J.

✓Ross Wire Co., 69 Bath St., Providence, R. I. "Raco" See advertisement, page 182.

Super-Insulated Wire Co., Plymouth, Mass.

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WIRE TERMINALS—
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**WIRE, Tinned Copper
Antenna—**
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WIRE TIPS—
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**WIRE, Tubular Copper
Antenna**
American Display Co., Dayton, Ohio

**WIRED BASE
BOARDS—**
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WIRED

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WIRING

**ASSEMBLIES,
Battery—**

see Cables, Multiple Battery

WIRING CLEATS—

see Cleats, Porcelain

WIRING KNOBS—

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WOOD HORNS—

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✓Adams Radio Mfg. Co., 1044 W. Van Buren St., Chicago, Ill. See advertisements, pages 84, 98 and 152.

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see also Wrenches, Jack

✓Bridgeport Hardware Mfg. Corp., Dept. R., Bridgeport, Conn. "Radio-Lectric." See advertisement, page 57.

✓Niagara Metal Stamping Corp., Dept. R. D., Niagara Falls, N. Y. "Premax Radioreinch" See advertisement, page 186.

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✓Bridgeport Hardware Mfg. Corp., Dept. R., Bridgeport, Conn. "Radio-Lectric." See advertisement, page 57.

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New Britain Machine Co., 197 Chestnut St., New Britain, Conn.

Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto"

Perry-Fay Co., Elyria, Ohio "Set-O-Six"

Pexto — see Peck, Stow & Wilcox Co.

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Radio in Foreign Markets

A résumé of radio conditions in foreign countries has been prepared and will be sent to any radio manufacturer who is interested in developing his export trade.

Write to the Radio Research Department of

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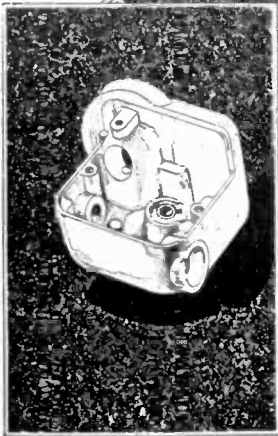
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