

KRESGE'S

RADIO

CATALOG

AND

BUYER'S GUIDE

S. S. KRESGE Co.

*5¢ 10¢ & 25¢
STORES*

GENERAL OFFICE
S. S. KRESGE CO.
Kresge Building
DETROIT, MICHIGAN

KRESGE'S RADIO CATALOG and BUYER'S GUIDE

PRICES SUBJECT TO CHANGE

1925 EDITION

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RADIO SETS

On this and the following pages you will see pictures of three sets which can be constructed from parts listed in this catalog. These are only three of the hundreds of different sets which can be built from these parts and the pictures and descriptions are given merely to give the Amateur Radio Builder an idea of the type of receiver he can build from parts for sale at the Radio Counter of all Kresge Stores.



SET No. 1

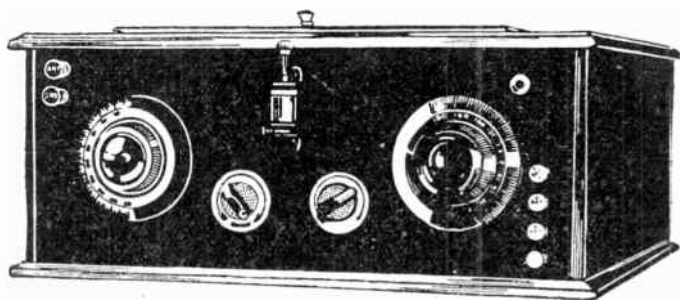
Single Circuit or two circuit receiver with two stages of audio frequency amplification.

This type of receiver can be built when using vario-coupler and one variable condenser. All of the binding posts for connecting aerial and ground, "A" and "B" batteries are mounted on a terminal strip on the back of the set. The first jack is connected to the detector, the second to the first stage of audio frequency amplification and the last to the second stage of audio frequency amplification.

LIST OF PARTS

- | | |
|--|---|
| 1 7 x 21 x $\frac{3}{16}$ " Panel | 2 Audio Frequency Transformers |
| 2 3" Dials | 3 Combination Transformer and Socket Brackets |
| 3 Jacks | 3 Sockets |
| 1 Phone Plug | Complete set of Parts for Vario-Coupler |
| 3 Bezels | Wire for Vario-Coupler |
| 14 Switch Points | 7 Nickel Plated Binding Posts |
| 4 Stops | 1 22 Plate Variable Condenser |
| 2 Switch Levers | 2 .00025 Grid Condenser |
| The last three items may be omitted if using Inductance Switches | 1 .001 Phone Condenser |
| | 1 Connection Strip for Binding Post |

RADIO SETS (Continued)



Set No. 2—Two Bulb Reflex Sets

Anyone wishing to build a set using only one or two bulbs will find that a set of the type shown on this page will give as good all around results as any that can be built. The set uses a crystal detector for rectification so that a very good quality of music can be expected.

The Radio Frequency Transformers are wound on Bakelite tubing and both have 60 turns on the secondary and the first coil has 15 turns on the primary and the second has 30 turns on the primary.

The primary is wound directly in the center of the secondary winding and is only insulated with a strip of heavy paper or varnished cambric.

If properly constructed and operated this set will give loud speaker reception on all local stations and on other high powered stations within a radius of five hundred miles.

When using phones much greater distance should be had.

Extreme selectivity is not always to be had but in every other respect the set will give as good results as many of the higher priced three or four bulb receivers.

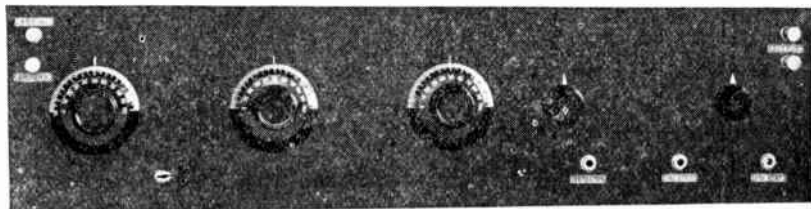
Blue print showing hook-up panel layouts and directions for winding coils can be purchased from any of our stores. Price 5c each.

LIST OF PARTS

- | | |
|--|-------------------------------------|
| 1 7 x 18 x $\frac{3}{16}$ " Panel | 1 No. 1 Radio Frequency Transformer |
| 2 17 Plate Variable Condensers | 1 No. 2 Radio Frequency Transformer |
| 2 20 Ohm Rheostats | 2 4" Dials |
| 2 Tube Sockets | 1 Crystal Detector with Crystal |
| 2 Combination Socket and Transformer Bracket | 8 Binding Posts |
| 2 Audio Frequency Transformers
(These must be high grade low ratio transformers.) | 8 Ft. Bus Bar Wire |
| | 1 .0005 Fixed Condenser. |

If trouble is experienced in getting distance and volume, try two or three different crystals.

RADIO SETS—Continued



SET No. 3

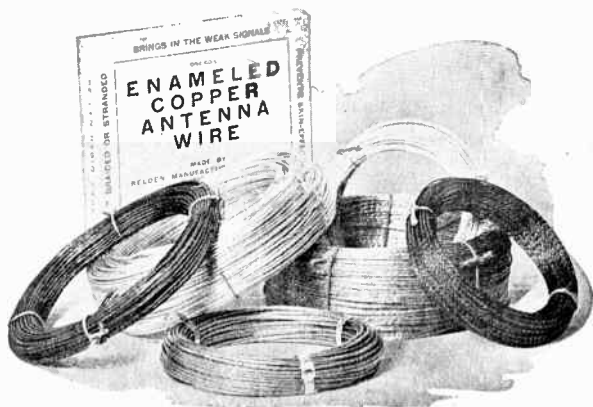
Five Bulb Set of the Tuned Radio Frequency Type

Five bulb sets of the tuned radio frequency type are becoming very popular. With this type of set it is possible to get a strong signal even on distant stations without a great deal of distortion such as is sometimes present with all types of regenerative receivers. It is not always necessary to use five bulbs, and if the set is well constructed oftentimes a loud speaker can be connected in the first jack and only the two stages of radio frequency and detector used. The set should be constructed with two stages of audio frequency in order to give the required volume on weak signals from distant stations.

LIST OF MATERIAL

- | | |
|-----------------------------------|--|
| 1 7 x 28 x $\frac{3}{16}$ " Panel | 2 Audio Frequency Amplifying Trans- |
| 9 Binding Posts | formers |
| 5 Tube Sockets | 3 3" Dials |
| 2 Rheostats and Knobs | 2 .006 Fixed Condensers |
| 3 17 Plate Variable Condensers | 1 Sub Base (Wood) $6\frac{1}{2}$ " x 26" |
| 1 .00025 Grid Condenser and Leak | 3 Radio Frequency Transformers |
| 3 Two Circuit Jacks | 1 Terminal Strip |

AERIAL EQUIPMENT



Aerial Wire

Listed below are several different types of aerial wire. Ordinarily the plain No. 14 B&S Gauge Copper Wire, Catalog No. 100, will answer the purpose although stranded wire is much easier to put up and a neater installation can be made. The stranded enamelled wire, catalog No. 102, will not become corroded and so will keep its maximum efficiency for a long time. Corrosion of antenna wires is much more rapid in cities than it is in rural districts.

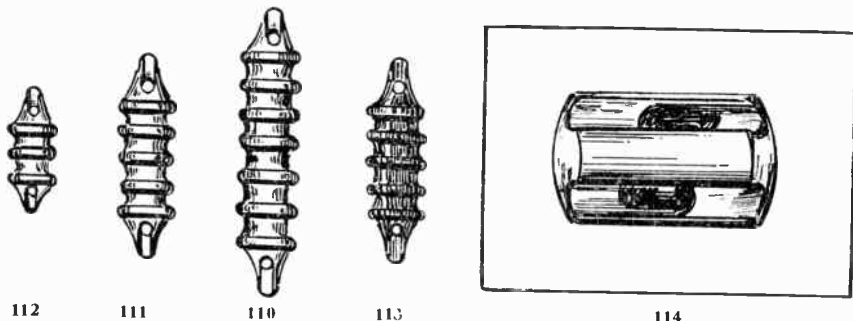
Cat. No.	DESCRIPTION	Price
100	Plain Copper Wire 14 B & S Gauge.....	25 ft. for 10c
101	7 Strand Braided Wire No. 14 B & S Gauge.....	50 ft. for 25c
102	7 Strand Enamelled Wire No. 14 B & S Gauge.....	10 ft. for 10c

Each Strand enamelled separately.

Aerial Insulators

110	White Glazed Porcelain 6" long.....	10c each
111	White Glazed Porcelain 4" long.....	10c each
112	White Glazed Porcelain 2" long.....	5c each
113	Black Composition 2 1/2" long.....	5c each
114	Brown Porcelain Strain Insulator.....	10c each
115	Brown Porcelain Strain Insulator.....	5c each

These last two should be used when putting an insulator in the guy wires where a heavy strain is on the insulator.



112

111

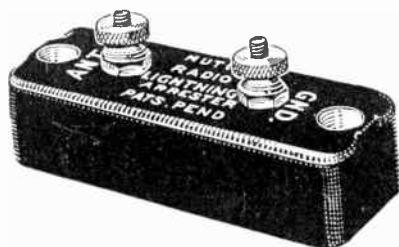
110

113

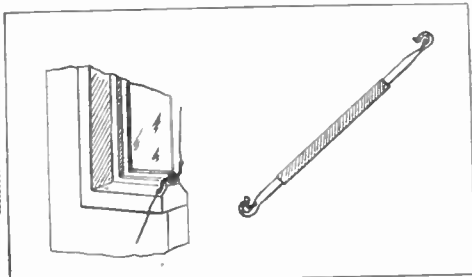
114

AERIAL EQUIPMENT—Continued

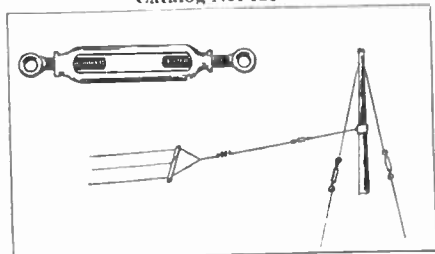
Cat. No.	DESCRIPTION	Price
116	Screw Eye Insulator.....	5c each
117	Storm King Strain Insulator.....	10c each
118	Antenna Socket Plug.....	25c each
	These plugs make a very satisfactory aerial. All that is necessary is to screw into a convenient electric light socket.	
Antenna Lead in		
125	Copper Strip of Tin Brass thoroughly Insulated with terminal Clips on each end.....	10c each
LIGHTNING ARRESTER		
126	Muter Lightning Arrester..... (Passed by National Board of Fire Underwriters)	25c each
Guy Wire Turnbuckle		
128	These can be used for tightening up Guy Wires fastened to Radio Masts. All sizes.....	25c each
Ground Clamp		
129	Ground Clamp.....	.05c each



Catalog No. 126



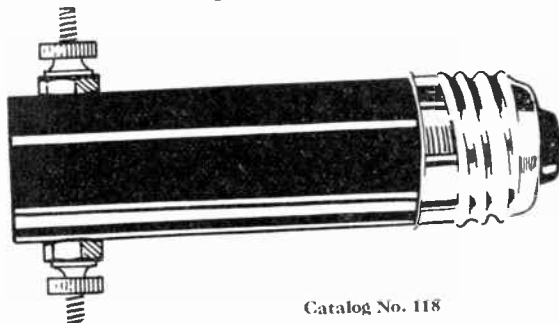
Catalog No. 125



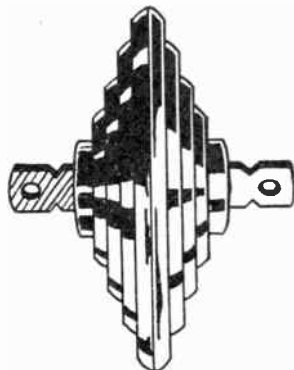
Catalog No. 128



Catalog No. 129



Catalog No. 118

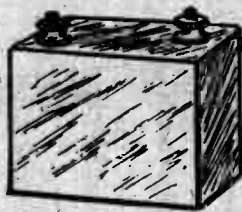


Catalog No. 117

"B" BATTERIES



Catalog No. 130



Catalog No. 140

Dry "B" Batteries

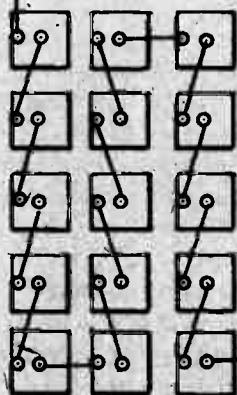
Cat. No.	DESCRIPTION	Price
130	4½" Volt Blocks with Pig Tail Connectors.....	25c each
140	4½" Volt Blocks with Binding Posts..... Takes five of these blocks to make one 22½ Volt Battery. Single Blocks can be used for "C" battery. One Block can also be used as an "A" Battery to light the filament of the UV 199 Type Bulb.	25c each
141	1½ Volt "B" Battery Unit..... The pictures will show how these are to be connected.	10c each

TO NEGATIVE ON SET -



1½ VOLTS EACH

15-MAKE - 22½ VOLTS

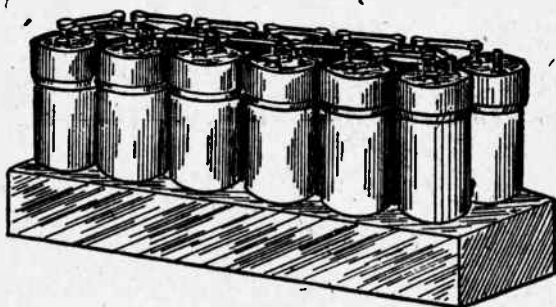


TO POSITIVE ON SET

B BATTERY

Catalog No. 141

CHARGEABLE "B" BATTERY

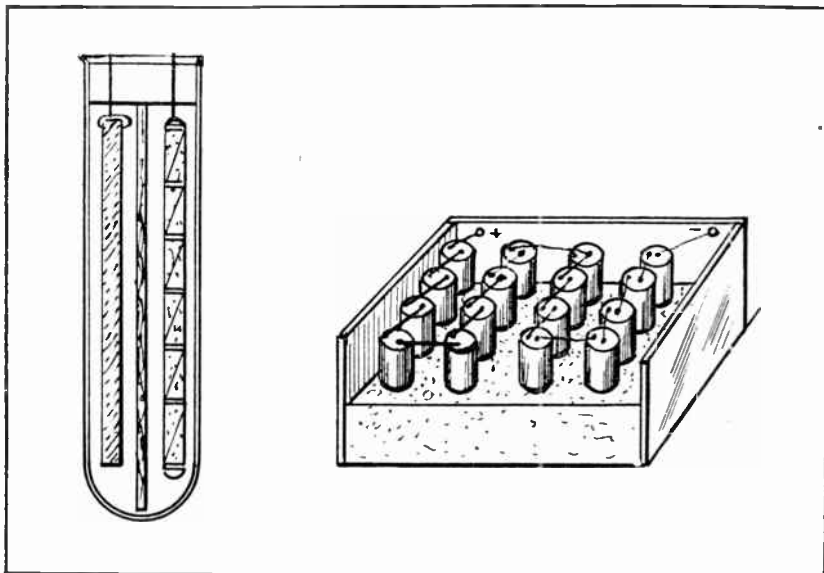


Catalog No. 145

Cat. No.	DESCRIPTION	Price
145	One "B" Battery Unit	25c each
146	One "B" Battery Box	25c each
Complete Unit consisting of 12 Cells and Box sells complete for		\$3.25

When a radio set is being used a great deal it is always best to use a "B" Battery which can be charged. A great many of the newer types sets use 5 or more bulbs and these use a considerable amount of "B" battery current, so that the dry "B" batteries will run down very rapidly. Sometimes dry "B" batteries will become noisy and some of the noises which are heard in the receiver and thought to be static are often caused by the "B" battery. If the owner of a chargeable "B" Battery will provide himself with one of the electrolytic rectifiers such as shown on the next page he will then be able to recharge his "B" battery without taking it to a service station. When purchasing these batteries if it is found they have been put up in a dry condition all that is necessary to get them operating will be to add the electrolyte of specific gravity of 1250. This electrolyte can be obtained at any battery service station. When purchasing one of these batteries full instructions are furnished so that the purchaser may get them in an operating condition very readily.

EDISON "B" BATTERIES



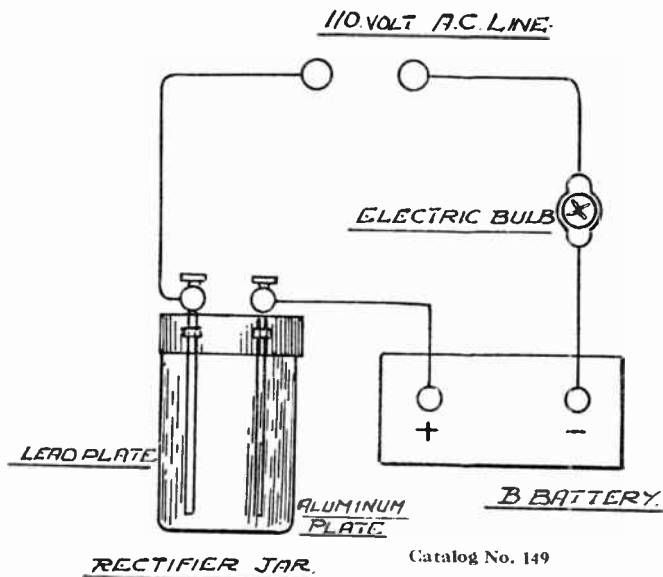
Catalog No. 147

Cat. No.

DESCRIPTION

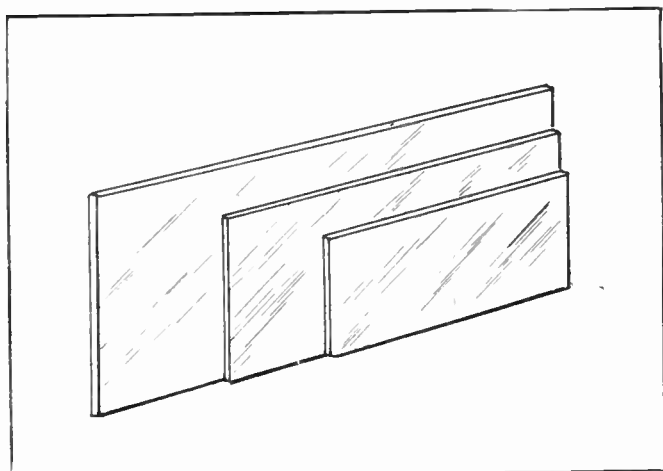
Price

- | | | |
|-----|---|-----|
| 147 | Each element consists of Positive and Negative Plates, Glass Jar and Top..... | 20c |
| 148 | 1/2 Pt. can Electrolyte sufficient for 18 cells | 25c |
| 149 | Fruit Jar Electrolytic Rectifier. Price on application. | |



This rectifier can be used for changing alternating current into direct current recharging either the chargeable batteries shown on preceding page or chargeable "B" Edison batteries shown on top of this page. Diagram shows how these are to be hooked up when charging either type of battery.

Catalog No. 149



HARD RUBBER PANELS

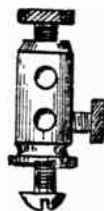
Catalog No. 150

Cat. No.	DESCRIPTION	Price
150	Non-sulphurous hard Rubber Panels of high dielectric strength 7" high—Black.....	25c for 4 lineal inches
	Mahogany Panel.....	15c for 2 lineal inches
	Hood Rubber Black Panels.....	25c for 4 lineal inches

These Panels have an attractive finish and are becoming very popular.
All the above Panels can be had in standard sizes—7x9—7x12—7x18—7x21—7x24—7x28.



BINDING POSTS



Catalog No. 151

Catalog No. 154

Catalog No. 153

Catalog No. 155

Catalog No. 152

Cat. No.	DESCRIPTION	Price
151	Composition Binding Posts with marked Top.....	3 for 10c
152	Composition Top plain.....	5c each
153	Small Nickel Plated Binding Post.....	2 for 5c
154	Large Nickel Plated Binding Post.....	5c each
155	Double Terminal Binding Post.....	5c each
156	Spring Grip N. P. Binding Post, Composition Top.....	15c each
157	Panel Mounting Filament Switch.....	25c each
158	Marked Terminal Strip for Binding Posts.....	10c each
159	Metal Mounting Brackets for Terminal Strip N.P. with screws.....	10c Pair

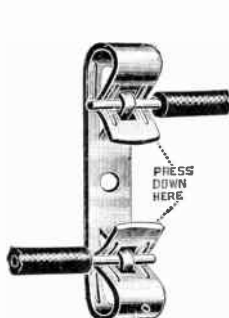
SWITCH ARMS—TERMINAL CLIPS

Fahnestock Terminal Clips

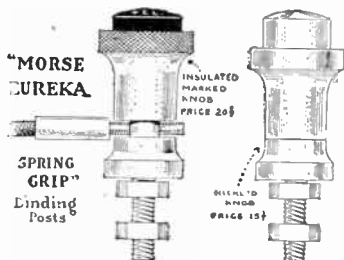
160	Fahnestock No. 3	3 for 5c
160A	Fahnestock No. 9 Double	2 for 5c
160B	Fahnestock 155 "B" Battery Connections	3 for 5c

Switch Arms

161	With adjustable Blade	Each 10c
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Catalog No. 160A



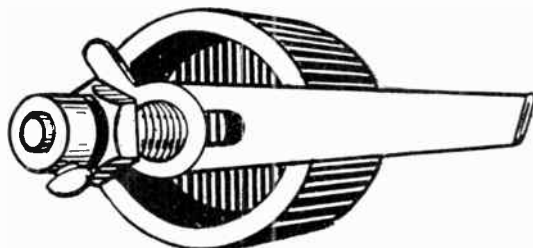
Catalog No. 156



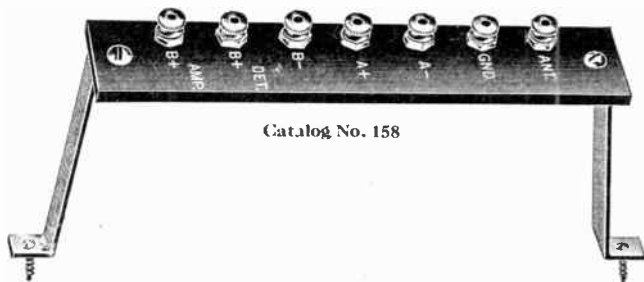
Catalog No. 160B



Catalog No. 160



Catalog No. 161



Catalog No. 158

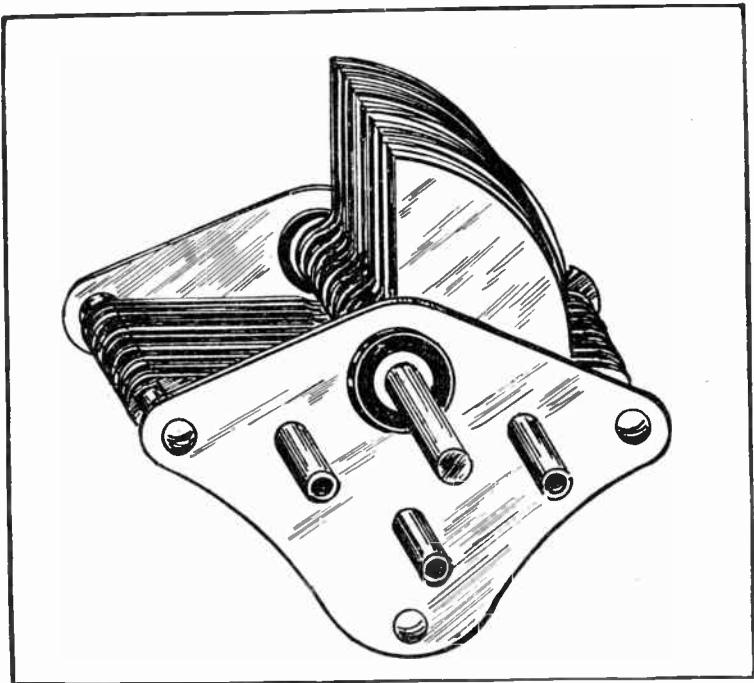


Catalog No. 25c

PILOT VARIABLE CONDENSERS

Cat. No.	DESCRIPTION	Price
162	Knock down Variable Condensers consisting of the following parts: Frame for 23 plate Rotating Plates Stator Plates Rotating Plate Shaft Rotating Plates Spacer Washers	Prices on application

This condenser is high grade in every way and because of the small amount of insulation used between rotor and stator its electrical efficiency is high. The insulation is genuine bakelite with an inside brass bearing which assures a smooth operating, accurate condenser. These condensers can be had either knock down or assembled complete. They can also be had with the front plate grounded to the stator or the front plate insulated from the stator and grounded to removable plates.



Catalog No. 162

FIXED CONDENSERS

Cat. No.	DESCRIPTION	Price
168	Peterson's Fixed Condenser all sizes.....	15c each
169	Freshman Fixed Condenser .00025 capacity.....	25c each
170	Freshman Fixed Condenser .001 capacity.....	25c each
171	Freshman Fixed Condenser .002 capacity.....	25c each
172	Mica and Condensite Condenser .001 capacity.....	15c each
173	Mica and Condensite Condenser .002 capacity.....	15c each
174	Mica and Condensite Condenser .005 capacity.....	15c each
175	Mica and Condensite Condenser .006 capacity.....	25c each
Grid Condenser		
176	Mica and Condensite Grid Condenser .00025 capacity with fixed Grid Leak Clips.....	25c each
177	Freshman .00025 Grid Condenser with Clips.....	25c each
Grid Leaks		
178	Freshman Grid Leak.....	15c each
	These can be had in 1/2, 1, 2 and 5 megohms.	
179	Muter Fixed Grid Leaks.....	10c each
	These can be had in 1/2, 1, 1 1/2, 2, 2 1/2 and 5 megohms.	
Switches		
180	Muter, Single Pole, Single Throw.....	10c each
180A	Muter, Double Pole, Double Throw.....	25c each



Catalog No. 176



Catalog No. 177



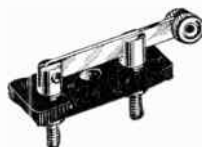
Catalog No. 178



Catalog No. 172



Catalog No. 168



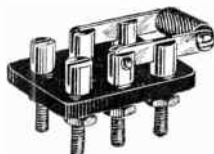
Catalog No. 180



Catalog No. 169



Assembly of 177 and 178



Catalog No. 180A

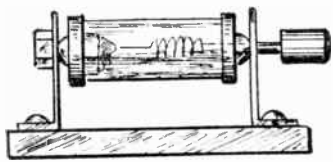
CRYSTAL DETECTORS and CRYSTALS

Cat. No.	DESCRIPTION	Price
181	Crystal Detector for use with either mounted or unmounted Crystals.	25c each
182	Telurium and Zincite Crystal Detector.	25c each
183	Mounted Crystals "Galena", "Pyrite", "Silicon".	10c each
184	Genuine "B" Metal Crystals.	25c each
185	Sterling Silver Cat Whiskers.	10c each

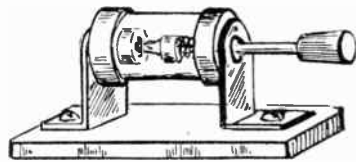
BATTERY CLIPS

186	"A" Battery Clips, Galv. Iron.	15c each
187	"A" Battery Clips, Pressed Steel.	10c each
188	Pee Wee Clips.	5c each
189	Morris Eureka Clips either No. 3 or 4.	5c each

The last two Clips can be used for making up test cords or for connecting "B" Batteries together or fastening "B" Batteries to set.



Catalog No. 181



Catalog No. 182



Catalog No. 183



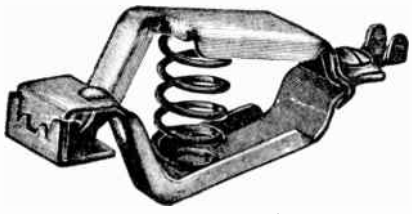
Catalog No. 184



Catalog No. 189



Catalog No. 188



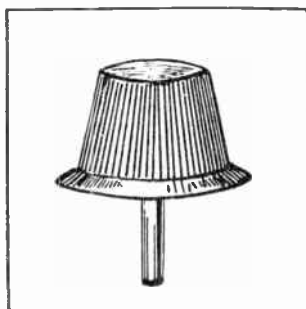
Catalog No. 186

DIALS

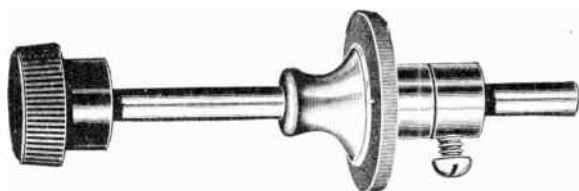
Cat. No.	DESCRIPTION	Price
190	Composition Black or Mahogany with small Knob 2 or 3" in dia.	10c each
191	Black or Mahogany Composition, small Knob, 4" dia.	20c each
192	Moulded Composition, Black or Mahogany, large Knob 4"	25c each
193	2 and 3" Genuine Bakelite two piece patented Dial	25c each
194	4" Genuine Bakelite Dial without Knob	25c each
195	3" Genuine Bakelite Dial without Knob	15c each
	Bakelite Knobs for the last two Dials 15c each	
196	Dial Vernier	15c each
197	Small Composition Knobs	2 for 5c
198	Small Bakelite Knob with or without Shaft	10c each



Catalog No. 192



Catalog No. 198



Catalog No. 196



Catalog No. 196



Catalog No. 193

INDUCTANCE SWITCHES

Cat. No.	DESCRIPTION	Price
200	8 Contact Inductance Switch.....	25c each
201	Dial for Inductance Switch.....	5c each

The diagrams on this page show different ways for using the inductance switch. Fig. 1 shows how the inductance switch can be used to vary the "B" Battery voltage. Fig. 2 shows how it can be used in connection with the Reinartz coil. Fig. 3 in connection with vario coupler and Fig. 4 with any kind of a tapped coil where it is wished to get a variation in the number of turns. If less than 8 taps are needed the last tap can be turned around as shown in Fig. 3 and then this last tap will form a stop for the moveable arm.



Catalog No. 200



Catalog No. 201

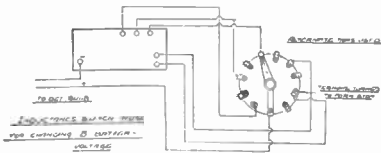


Fig. 1

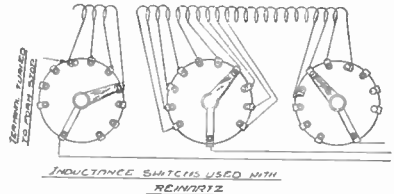


Fig. 2

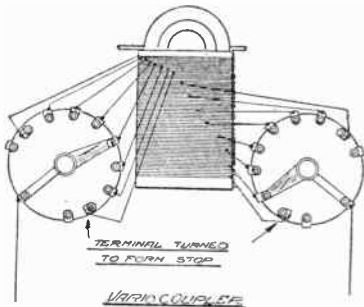


Fig. 3

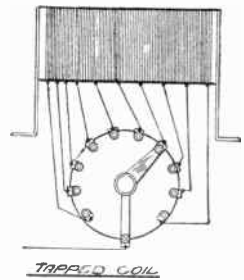


Fig. 4

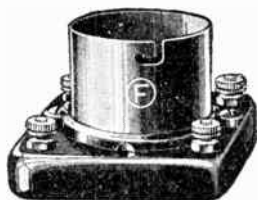
SOCKETS

Cat. No.	DESCRIPTION	Price
203	Standard Porcelain Base Socket with Nickel Shell.....	25c each
204	Moulded Base Socket with Nickel Plated Shell.....	25c each
205	Bakelite Socket with Bronze Contacts.....	25c each
206	UV 199 Bakelite Socket.....	25c each
207	UV 199 Adaptor.....	25c each

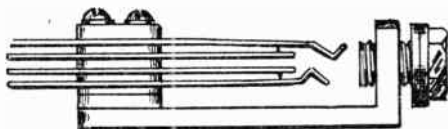
These Adaptors should be used when it is wished to use a 199 Bulb Connection with a Standard Navy Base Socket.

JACKS AND PLUGS

208	Pacent Single Circuit Jack.....	25c each
209	Pacent Two Circuit Jack.....	25c each
210	Pacent Phone Plug.....	25c each
211	Pilot Phone Plug.....	25c each
212	Pilot Two Circuit Jack.....	25c each



Catalog No. 203



Catalog No. 212



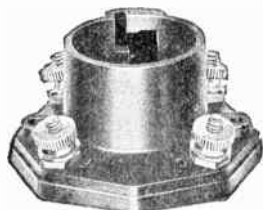
Catalog No. 205



Catalog No. 208



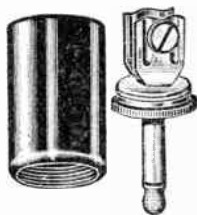
Catalog No. 210



Catalog No. 206



Catalog No. 207



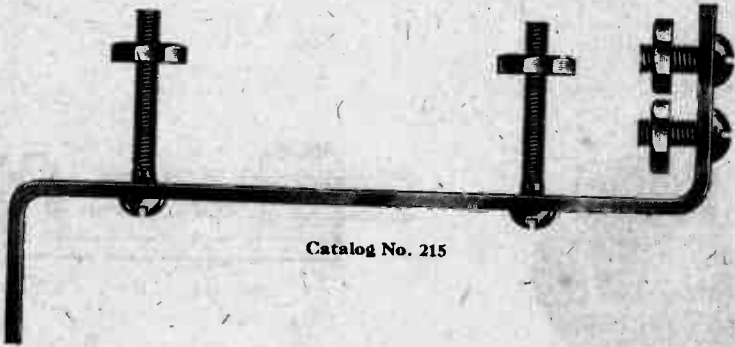
Catalog No. 211

SOCKET BRACKETS

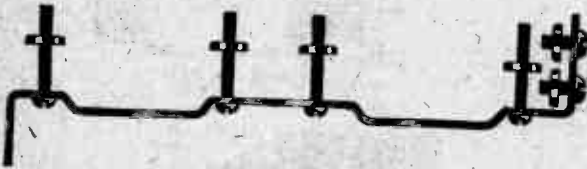
Cat. No.	DESCRIPTION	Price
215	Single Brass Socket Brackets complete with Bolts and Nuts.....	10c each
216	Double Socket Bracket complete with Bolts and Nuts.....	15c each
217	Combination Socket and Transformer Bracket made of Aluminum... ..	25c each

Bus-Wire Connectors

- 218 4 Prong Nickel Plated..... 8 for 10c
 These bus-wire Connections can be used in many different ways.



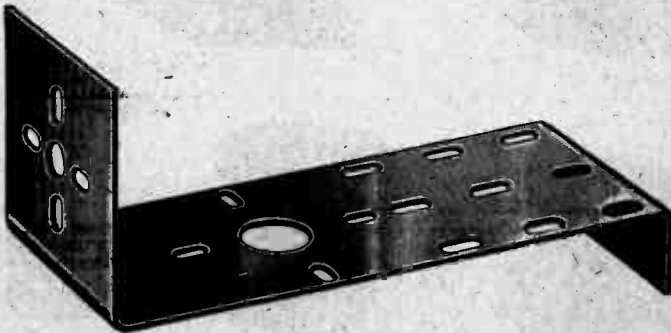
Catalog No. 215



Catalog No. 216



Catalog No. 223



Catalog No. 217

SOCKET BRACKETS—Continued

Terminal Lugs

Cat. No.	DESCRIPTION	Price
219	Closed End.....	.20 for 5c
220	Closed End.....	.20 for 5c
221	Open End.....	.20 for 5c
222	Open End.....	.20 for 5c

Cat. No.

223	Phone Tips or Wire En ls.....	.6 for 5c
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Bezels

224	1 Piece Bezel.....	.5c each
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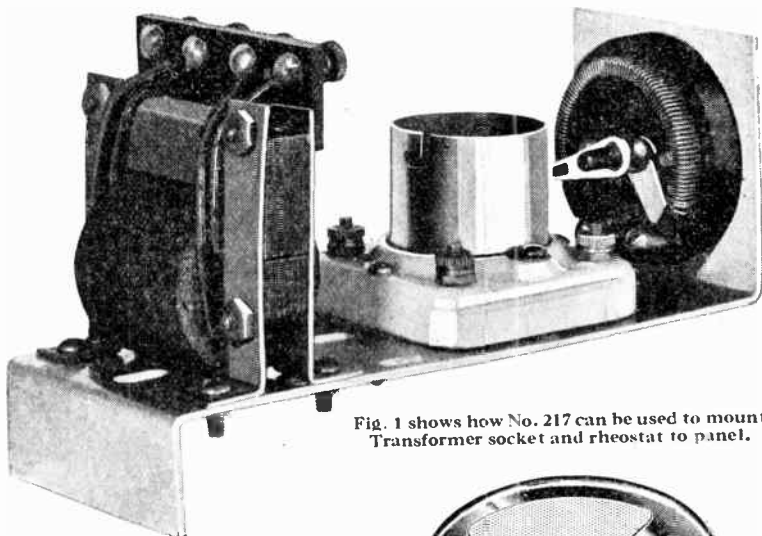
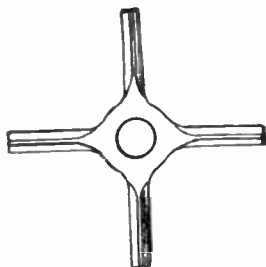
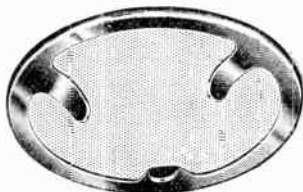


Fig. 1 shows how No. 217 can be used to mount Transformer socket and rheostat to panel.



Catalog No. 218



Catalog No. 224



Catalog No. 221



Catalog No. 219



Catalog No. 220



Catalog No. 222

RHEOSTATS AND POTENTIOMETERS

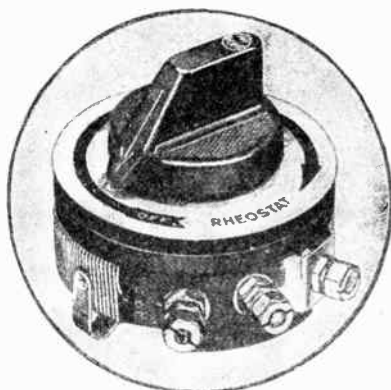
Cat. No.	DESCRIPTION	Price
226	6 Ohm Rheostat with Knob.....	25c each
227	10 Ohm Rheostat with Knob.....	25c each
228	20 Ohm Rheostat with Knob.....	25c each
229	30 Ohm Rheostat with Knob.....	25c each

6 or 10 Ohm rheostat should be used for a detector bulb or for any bulb which takes over 1 ampere of filament current. When using a bulb of the UV-201A type, a bulb of the UV-199 type, rheostats of 20 or 30 ohms should be used.

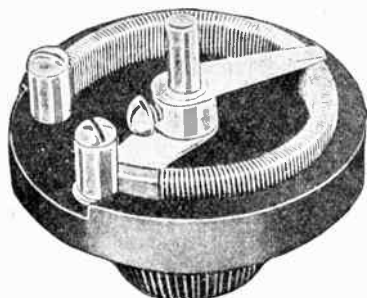
If using more than one 201A bulb on one rheostat, A6 or 10 ohm should be used.

WD-11 or WD-12 bulb should have 6 ohm rheostat.

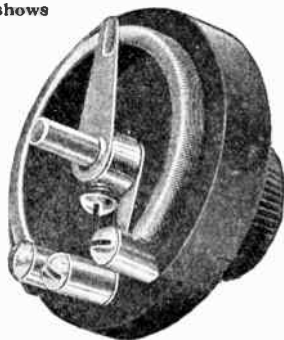
230	200 or 400 Ohm "A" Battery Potentiometer.....	25c each
231	Pacent Potentiometer without Knob or Dial.....	25c each
232	Pacent 6 Ohm Rheostat without Knob or Dial.....	25c each
233	Pacent 20 Ohm Rheostat without Knob or Dial.....	25c each
234	Pacent 30 Ohm Rheostat without Knob or Dial.....	25c each
235	Knob for Pacent Rheostat and Potentiometers.....	10c each
236	Dials for Pacent Rheostat and Potentiometers.....	10c each



Catalog No. 231. Note—This also shows Dial and Knob No's 235-236



Catalog No. 226

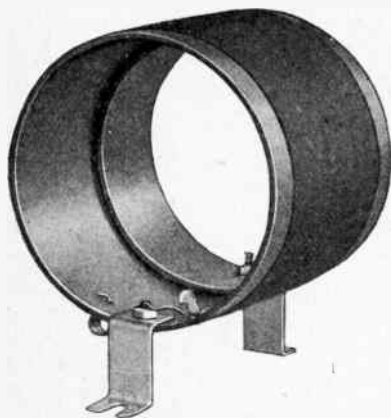


Catalog No. 230

PARTS for RADIO FREQUENCY TRANSFORMERS

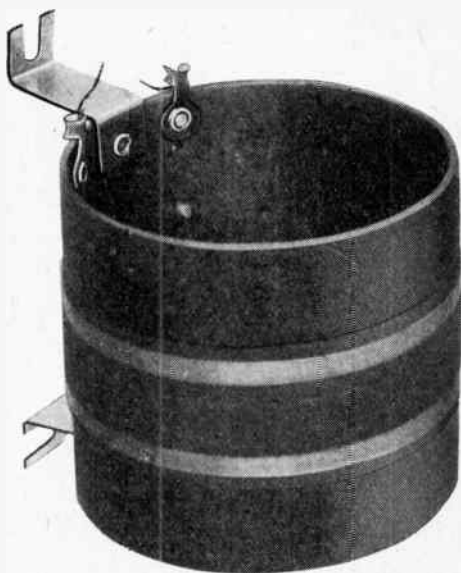
Cat. No.	DESCRIPTION	Price
240	Primary and Secondary Tubes for making up Radio Frequency Transformer similar to those used in Neutrodyne sets. These Tubes are Bakelite and the Primary Tube is $2\frac{5}{8}$ " in diameter and the Secondary is $2\frac{7}{8}$ " in diameter. Price of 2 Tubes.....	25c each
241	Hardware for mounting the above Tubes.....	10c per set
242	Bakelite Tubes for Reflex Sets $2\frac{1}{2}$ "x $2\frac{3}{4}$ ".....	25c each
243	Fibre Tubing, dia. $1\frac{1}{2}$ "; $2\frac{1}{8}$ "; $2\frac{5}{8}$ "; and 4".....	5c per inch

No. 24 B&S Gauge single silk, double silk, silk enamelled or enamelled wire is generally used for winding these transformers. Anywhere from 6 to 20 turns is used on the primary and 50 to 60 turns on the secondary, depending upon the circuit used and capacity of condenser which is used to tune the secondary.



ASSEMBLED AND WOUND TRANSFORMER

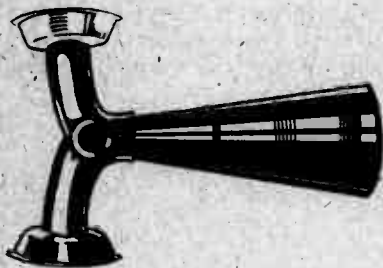
Catalog No. 240



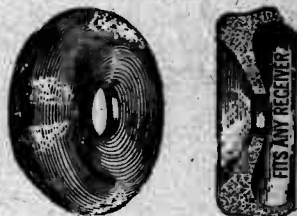
Cat. No. 241-242

TELEPHONE EQUIPMENT

Cat. No.	DESCRIPTION	Price
245	Loud Speaking Units.....	
246	Sponge Rubber Ear Cushions.....	10c each
247	Rubber Phonograph Adapter for one Receiver.....	25c each



Catalog No. 245



SPONGE RUBBER
Catalog No. 246

LITZ TYPE WIRE

248	Grizzy-White Double Silk.....	4 ft. for 5c
249	Fissure-White Double Silk.....	20 ft. for 15c
249A	Goven Maroon Double Silk.....	5 ft. for 5c

MAGNET WIRE



Catalog No. 250



Catalog No. 264

Cat. No.	DESCRIPTION	Price
250	No. 22 B&S Gauge Enamelled Wire Spool with 175 ft.....	25c each
251	No. 24 B&S Gauge Enamelled Wire Spool with 300 ft.....	25c each
252	Green Single Silk Wire No. 22 B&S Gauge Spool with 92 ft.....	25c each
253	Green Single Silk Wire No. 24 B&S Gauge Spool with 120 ft.....	25c each
254	White Cotton Covered Wire No. 18.....	72 ft. for 25c
255	White Cotton Covered Wire No. 20 20 B&S Gauge.....	110 ft. for 25c
256	White Cotton Covered Wire No. 22 20 B&S Gauge.....	150 ft. for 25c
257	Double Cotton Covered Green No. 20 B&S Gauge.....	83 ft. for 25c
258	Double Cotton Covered Green No. 22 B&S Gauge.....	110 ft. for 25c
259	Double Cotton Covered Green No. 24 B&S Gauge.....	140 ft. for 25c
260	Double Green Silk No. 22 B&S Gauge.....	62 ft. for 25c
261	Double Green Silk No. 24 B&S Gauge.....	75 ft. for 25c
262	Double Green Silk No. 26 B&S Gauge.....	93 ft. for 25c
263	Double Green Silk No. 28 B&S Gauge.....	118 ft. for 25c
	The above wire is put up on either metal or wood spools.	
264	Flexible covered Pig Tail Connectors 6 and 12" long.....	3 for 10c
	These Connectors can be used in hooking batteries together as flexible leads for connecting movable parts in a radio set to the balance of the wiring.	
265	Square Bus-bar Wire B&S Gauge No. 14.....	4 ft. for 5c
265	Round Bus Bar Wire, B&S Gauge No. 14.....	4 ft. for 5c

AUDIO FREQUENCY TRANSFORMERS

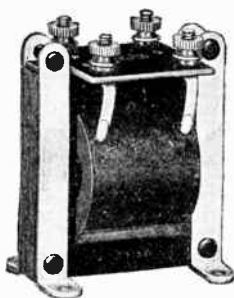
Cat. No.	DESCRIPTION	Price
266	1200 Turn Coil, 3½ to 1 Ratio.....	25c each
267	Top Assembly.....	25c each
268	Lamination Assembly.....	25c each
269	Clamps and Screw Assembly.....	10c each
	Assembling Charge.....	15c
	Complete Transformer.....	\$1.00

DIRECTIONS FOR ASSEMBLING

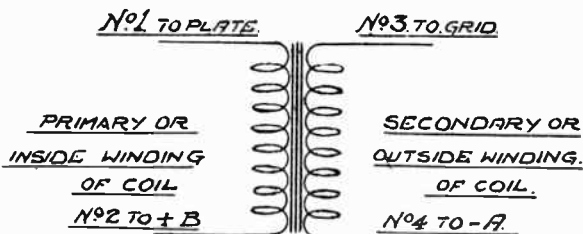
In assembling this transformer with the coil, fasten the inside wire of the primary or inside coil to the primary terminal marked "P". Hook the other end of the primary or inside coil to the primary terminal marked "B +".

The inside wire of the secondary or outside coil should be hooked to terminal "G" and the outside wire of the secondary coil should be hooked to terminal "A"—.

In assembling this transformer in the set, hook the "P" terminal to the plate; "B +" terminal to the positive of the "B" battery; "G" terminal to grid of the amplifying bulb and "A—" terminal to the negative of "A" battery.

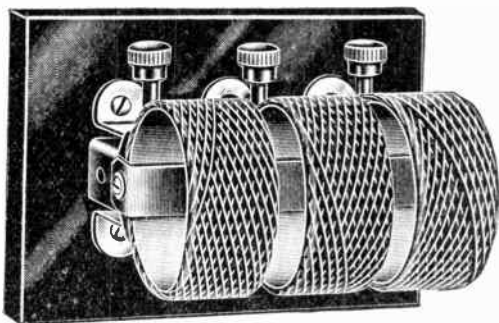


Catalog Nos.
266-267-268
and 269

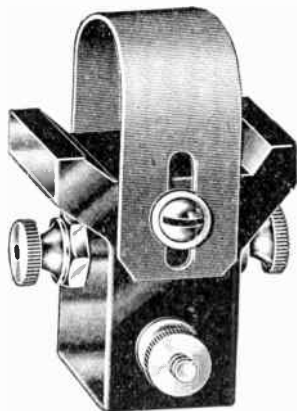


Shows Proper Way to Assemble Transformer

Cat. No.	DESCRIPTION	Price
Honeycomb Coil Mountings		
270	Complete Hardware assembly to be used for mounting up Catalog No. 271 each assembly.....	10c each
	It requires three of these assemblies for complete three coil mounting and two of these assemblies for two coil mounting.	
271	Composition Honeycomb Mounting complete with screws and Fiber Strip.....	25c each
	These mountings can be used with either front panel mounting catalog 270 or with the spider web coil brackets catalog No. 272, 273 and 274.	
Brackets for Spiderweb, Honeycomb or Pancake Coil		
272	Right Hand Movable Bracket complete with Knob.....	25c each
273	Left Hand Movable Bracket complete with Knob.....	25c each
274	Stationary Bracket complete with screw.....	10c each



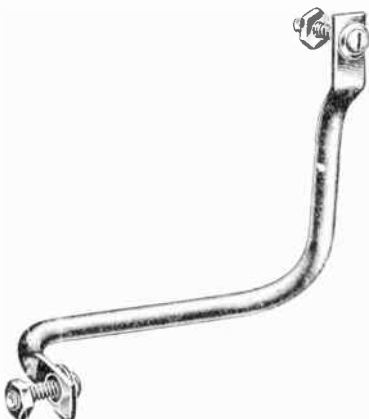
Catalog No. 270



Catalog No. 271



Catalog No. 273



Catalog No. 274

Cat. No.	DESCRIPTION	Price
Wound Inductance Coils		
275	Flat Pancake Inductance Coil 25 turns.....	25c each
276	Flat Pancake Inductance Coil 40 turns.....	25c each
277	Flat Pancake Inductance Coil 50 turns.....	25c each
278	Flat Pancake Inductance Coil 75 turns.....	25c each

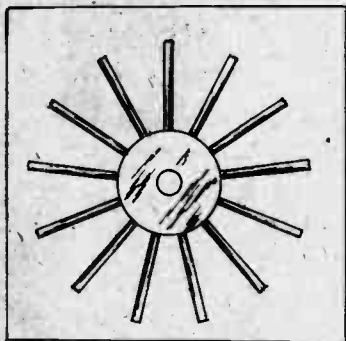
These Coils can be used for making up radio frequency transformers as well as Inductance Coils for single circuit, two circuit and three circuit receivers.

Duolateral Coils		
279	35 Turns.....	25c each
280	50 Turns.....	25c each
281	75 Turns.....	25c each
282	100 Turns.....	25c each
283	Unwound Wood Spiders for winding Reinartz or Pancake type Coil... 10c each	

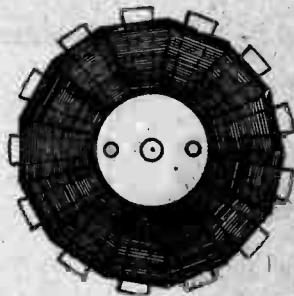
CABINETS

284	Tops, Back or Bottom, for 7x12 Cabinet each part.....	25c each
285	Tops, Back or Bottom, for 7x18 Cabinet each part.....	25c each
286	Tops, Back or Bottom, for 7x21 Cabinet each part.....	25c each
287	Tops, Back or Bottom, for 7x24 Cabinet each part.....	25c each
288	Ends for any of the above Cabinets.....	25c each

Complete assembly will consist of 2 ends, one top, one back and one bottom board.



Catalog No. 183



Catalog No. 275 to 278



Catalog No. 279

RADIO TOOLS and SUPPLIES

Cat. No.	DESCRIPTION	Price
290	Varnished Cambric Tubing (Spaghetti) size $\frac{1}{8}$ " 42 in. for.....	15c
	This can be had in Red, Black, Green or Yellow.	
291	Radio Nut Drivers.....	10c each
	These can be had to fit any of the Standard Nuts used in Radio sets.	
292	Alcohol Blow Torch.....	25c each
293	Small Brass Soldering Iron.....	25c each
294	Rosin Core Solder.....	10c a length
295	Tube of Solder-all.....	25c per Tube
296	Hydrometers	
	Rubber Bulb.....	10c each
	Rubber Tip.....	10c each
	Glass Float.....	10c each
	Glass Tube.....	10c each
	Complete Hydrometer.....	40c each
297	Radio Varnish (Small Bottle).....	25c each
298	6/32 Oval Head Bolts $\frac{3}{4}$ " long.....	10 for 5c
299	8/32 Oval Head Bolts $\frac{3}{4}$ " long.....	10 for 5c
300	6/32 Flat Headed Screw $\frac{3}{4}$ " long.....	10 for 5c
301	8/32 Flat Headed Screw $\frac{3}{4}$ " long.....	10 for 5c

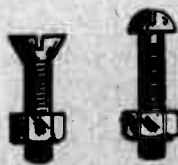
Other Radio Tools, such as Drills, Pliers, Screw Drivers, can be purchased at our Hardware Counter.



Catalog No. 296



Catalog No. 293



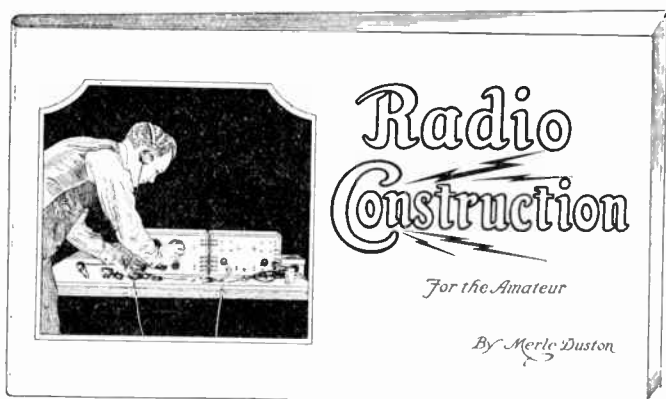
Catalog No. 300

Catalog No. 289

RADIO BOOKS and HOOK-UPS

Cat. No.	DESCRIPTION	Price
410	Radio Construction for the Amateur (By Merle Duston).....	25c each

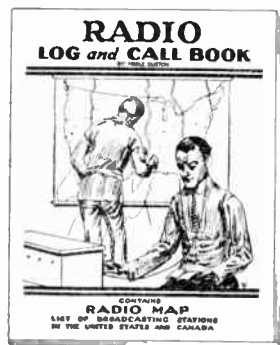
This book has become very popular with radio fans who are constructing their own sets. Understandable directions are given on building a number of different types of Radio Receivers. Simple language has been used and it has been the aim of the author to keep away from technical terms which would be confusing to the beginner in radio. Most of the hook-ups given are shown in outline rather than using schematic symbols. Panel layouts or templates are also furnished which are full size. Over 100,000 of these books were sold to radio fans last year. This should attest to its popularity.



Catalog No. 410

411	Radio Log and Call Book (By Merle Duston).....	10c each
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This Radio Log and Call Book gives an up to date list of all broadcasting stations telling the wave length, frequency and power used. A number of ruled pages for keeping a record of all stations heard with the dial readings is included. In the back of the book is a large radio broadcast map which can also be used to keep a record of stations heard. This book is just as complete and up to date as many call books selling for 50c to \$1.00 each.



Catalog No. 411



Catalog No. 412

This package consists of drawings, lists of parts and information on twenty different hook-ups. All of these have proven to be popular with the amateur radio constructor.

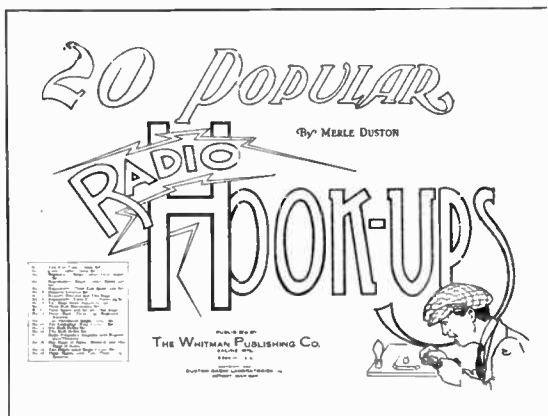
- No. 1 Two Slide Tuner Crystal Set
- No. 2 Loose Coupler Crystal Set
- No. 3 Regenerative Single Circuit Vario Coupler Set
- No. 4 Regenerative Single Circuit Spider Web Set
- No. 5 Regenerative 3 Coil Spiderweb Set
- No. 6 Reinartz Detector Set
- No. 7 Reinartz Detector and Two Stage
- No. 8 Regenerative 3 Circuit Receiver
- No. 9 Two Stage Audio Frequency Unit
- No. 10 Three Bulb Neutrodyne Set

- No. 11 Three Spiderweb Coil Set with One Stage
- No. 12 Three Coil Regenerative Receiver
- No. 13 Two Variometers Single Circuit Set
- No. 14 Cockady ("Four" Circuit) Set
- No. 15 One Bulb Reflex Set
- No. 16 Two Bulb Reflex Set
- No. 17 Radio Frequency Amplifier with Regenerative Detector
- No. 18 One Stage of Radio Frequency Detector and One Stage Audio Frequency
- No. 19 Two Honeycomb Single Circuit Set
- No. 20 Three Honeycomb Coil Three Circuit Receiver

Cat. No.	DESCRIPTION	Price
412	Radio Theory Simplified (By Merle Duston).....	25c each

This book has been written for the man who wishes to know more of the theory and principles underlying radio, but who does not wish to take the time to study books where this subject is covered in a technical manner. This is a cloth bound book of 192 pages and includes over one hundred illustrations. It will make a worth while addition to any radio fan's library.

413	20 Popular Hook-Ups (By Merle Duston).....	10c each
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Catalog No. 413

