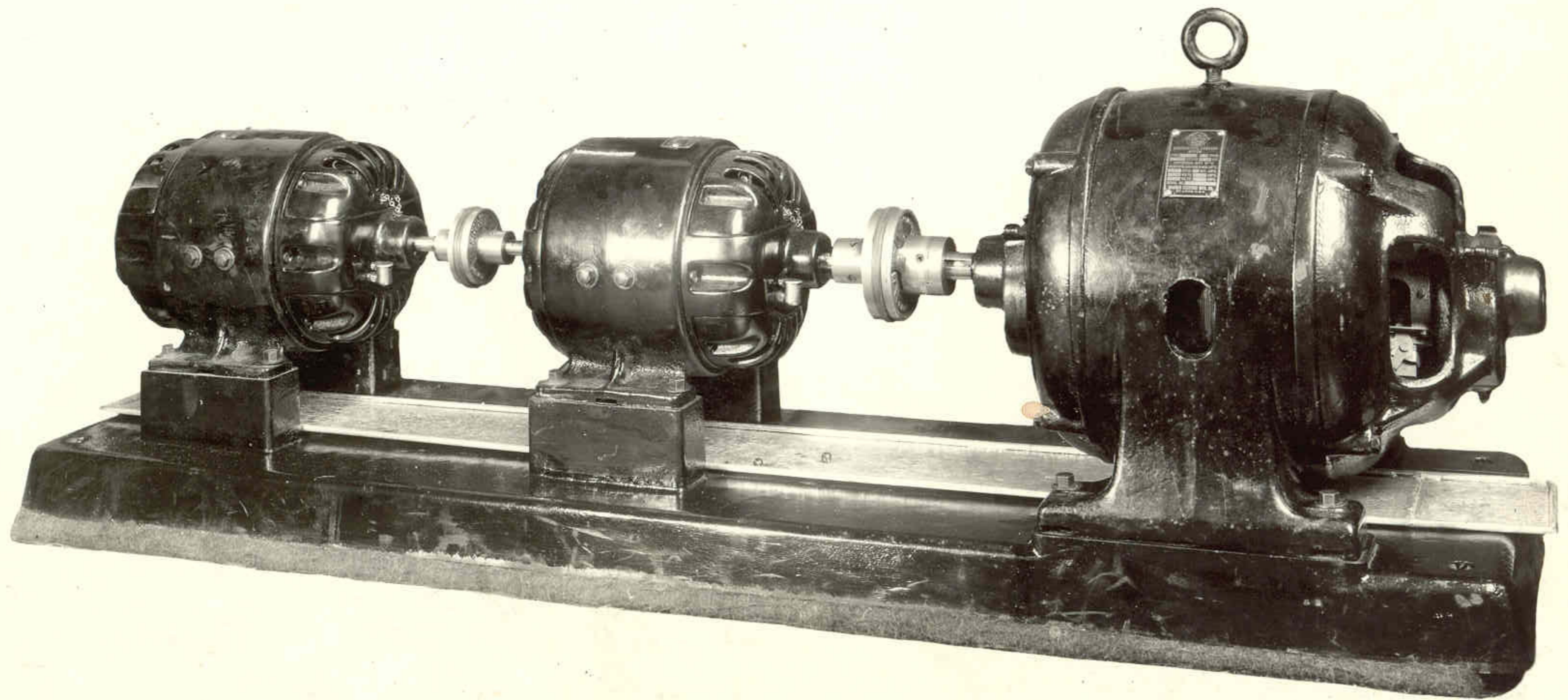


Received February 16, 1923
H.E.C.

INSTALLATION AND OPERATION INSTRUCTIONS
FOR
101-A AND 102-A RADIO TELEPHONE BROADCASTING EQUIPMENTS
JAN. 24, 1923.

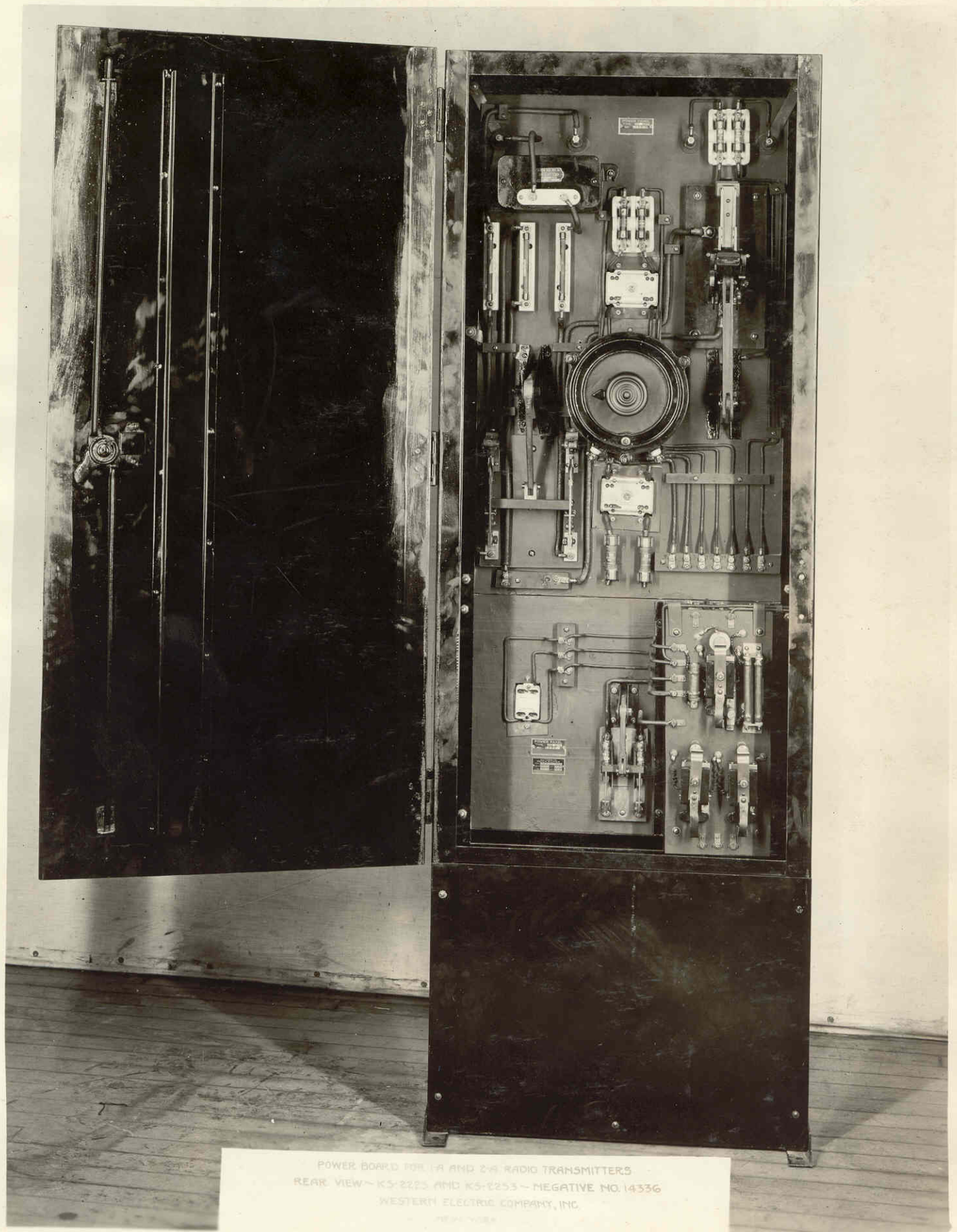


WESTERN ELECTRIC COMPANY
ENGINEERING DEPARTMENT
463 WEST STREET
NEW YORK CITY

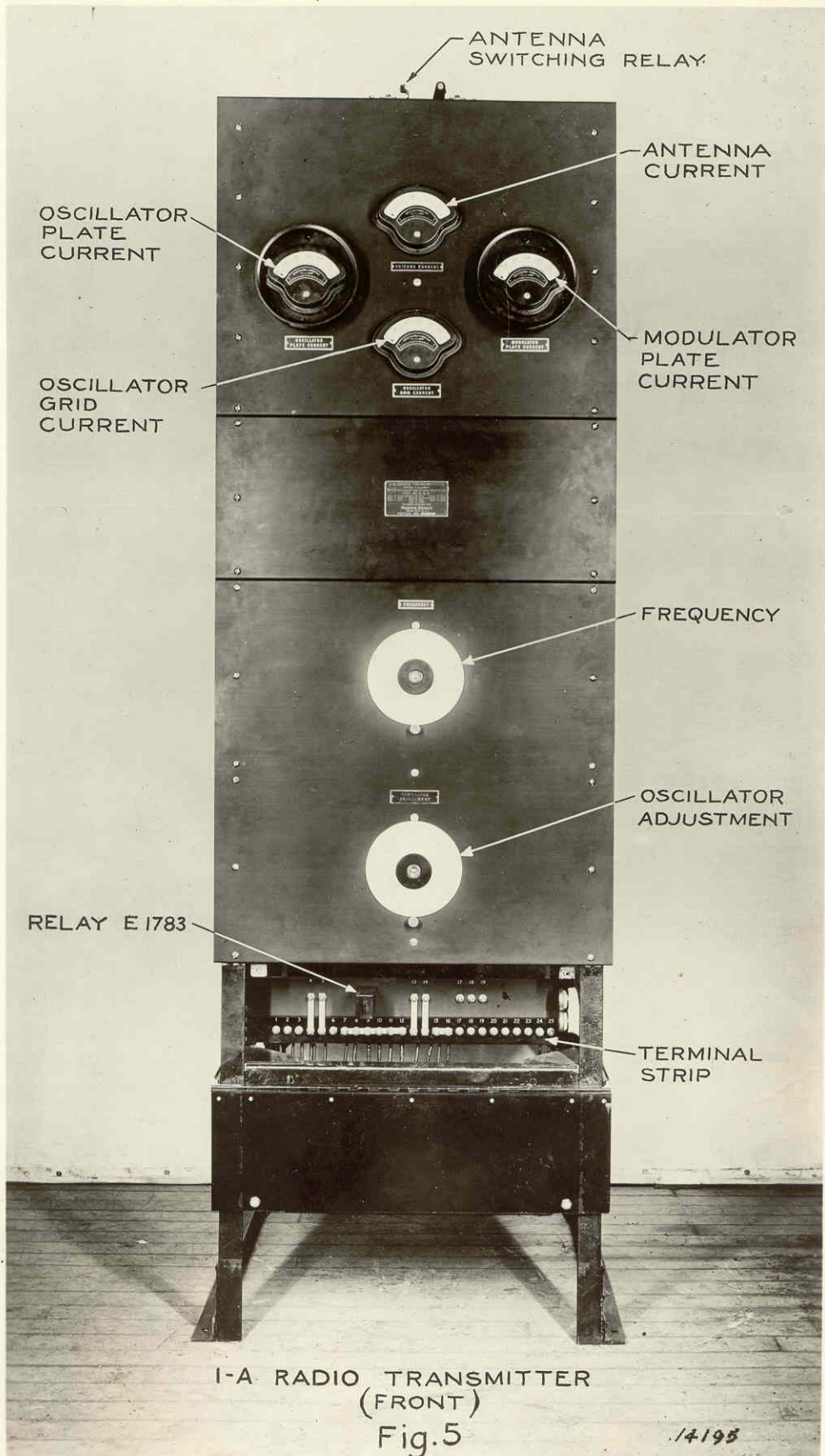




POWER BOARD FOR 1-A AND 2-A RADIO TRANSMITTERS
FRONT VIEW - K5-2223 AND K5-2253 - NEGATIVE NO. 14335
WESTERN ELECTRIC COMPANY, INC.
NEW YORK



POWER BOARD FOR 1-A AND 2-A RADIO TRANSMITTERS
REAR VIEW - K5-2225 AND K5-2255 - NEGATIVE NO. 14336
WESTERN ELECTRIC COMPANY, INC.



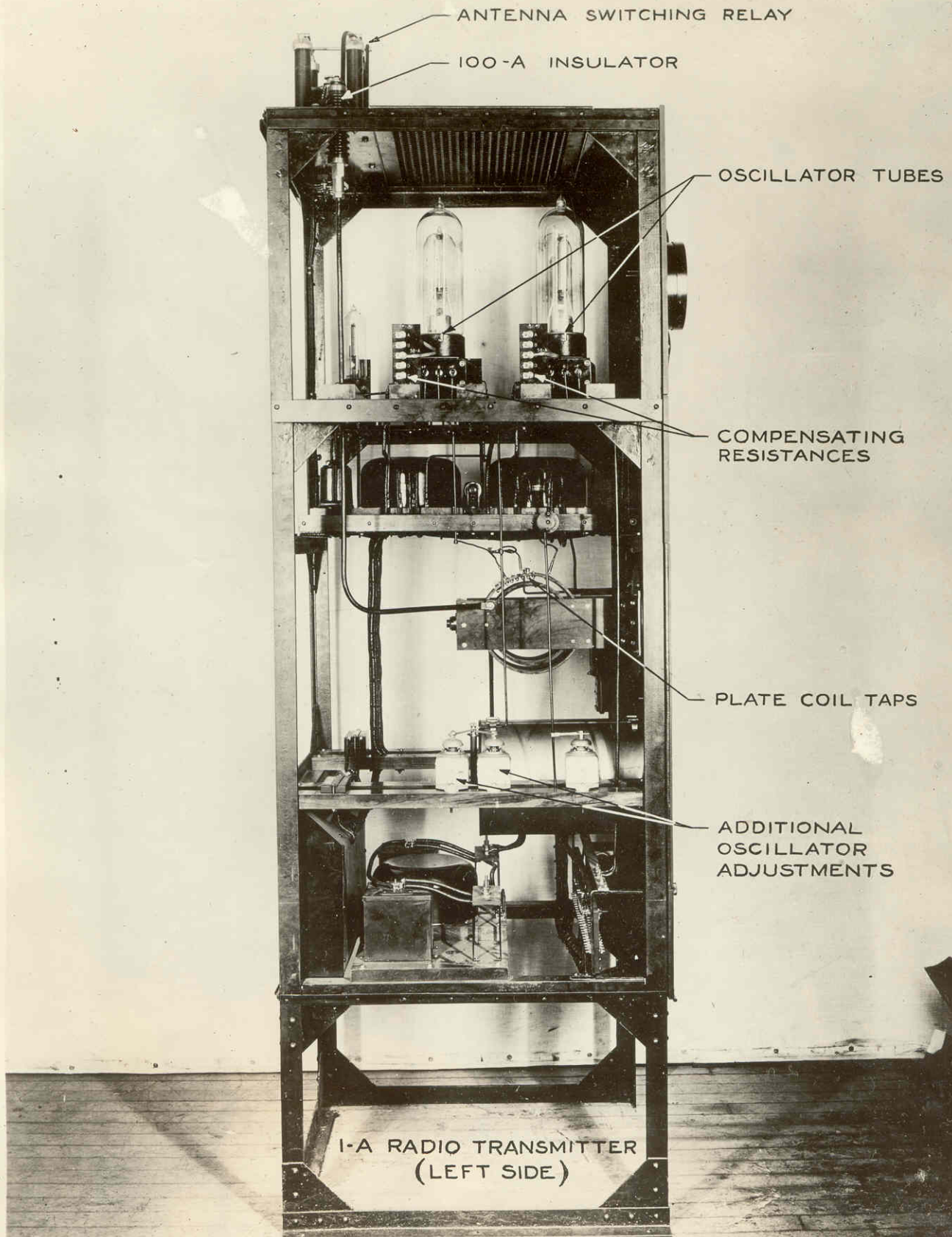
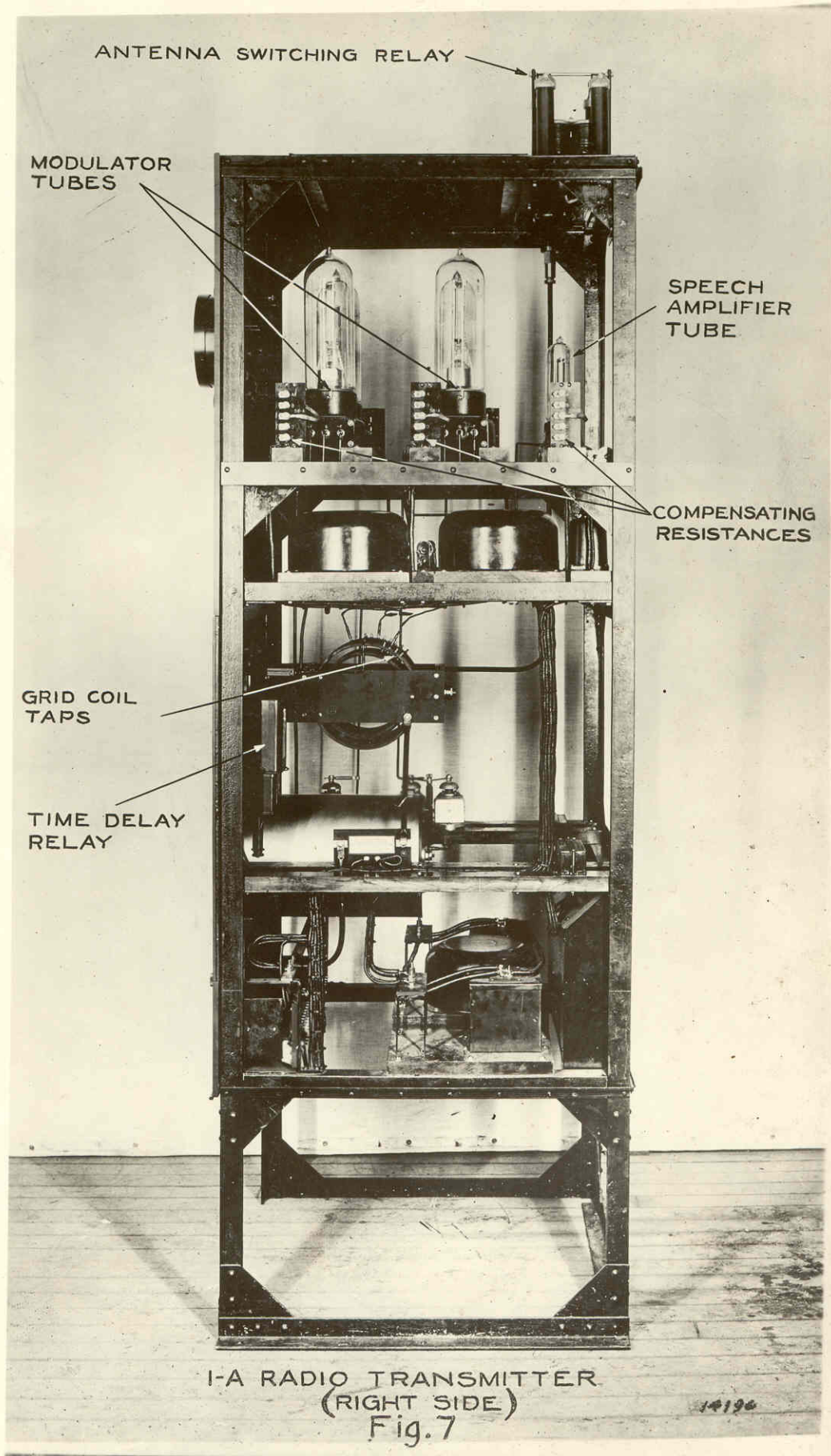


Fig. 6

14191



ANTENNA SWITCHING RELAY

MODULATOR
TUBES

SPEECH
AMPLIFIER
TUBE

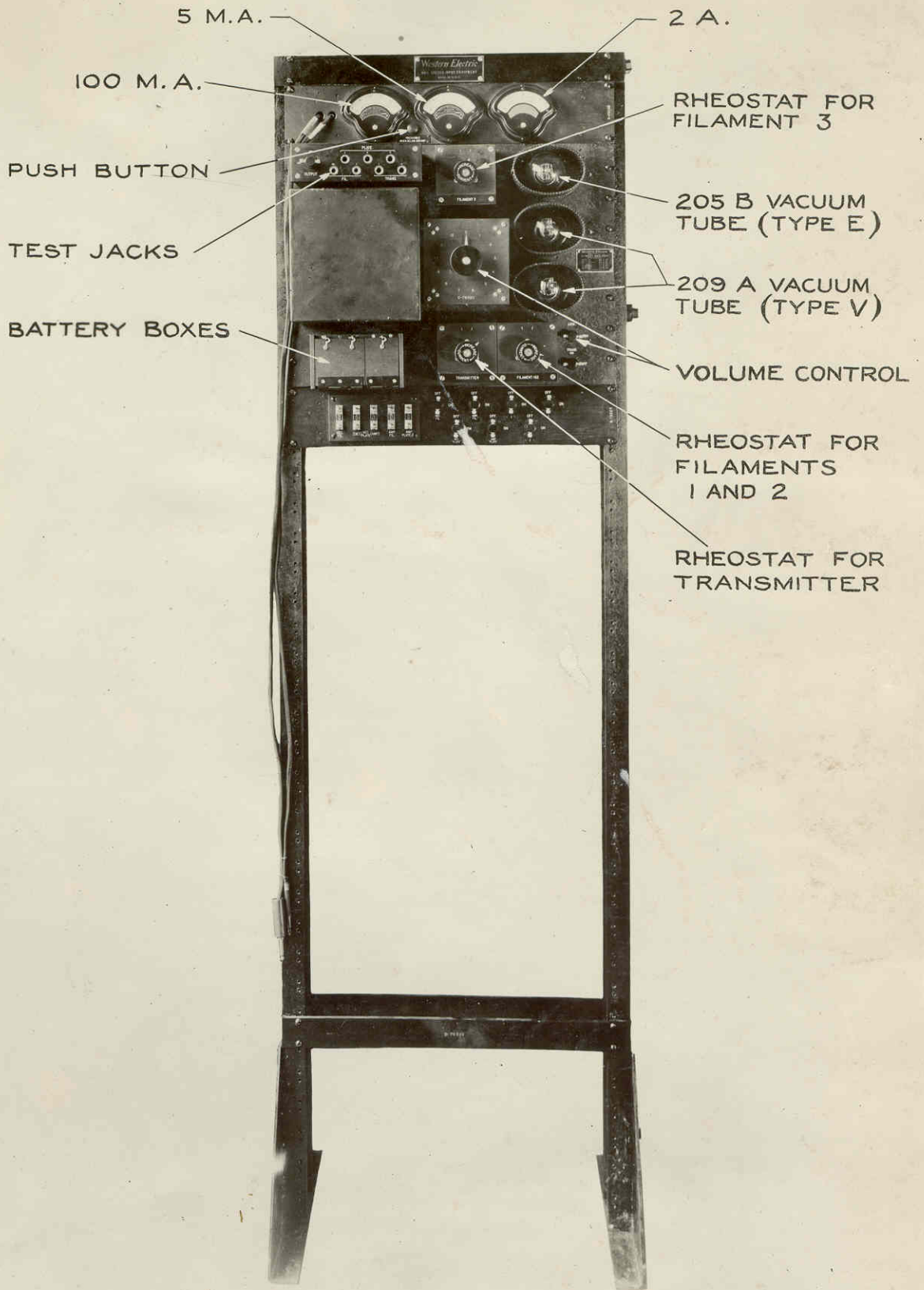
COMPENSATING
RESISTANCES

GRID COIL
TAPS

TIME DELAY
RELAY

1-A RADIO TRANSMITTER
(RIGHT SIDE)
Fig. 7

14196



NO. 1 SPEECH INPUT AMPLIFIER
Fig. 10

/4423



TRANSMITTER AND HOUSING
Fig. 11

14183

The Detroit News Radiophone Broadcasting Station WWJ

Daily Log

Date Monday, Nov. 20, 1922

First Program on 400 Meters

Seventh Program on 400 Meters

Warm up set.....	<u>9:25 AM</u>	
QST at.....	<u>9:30</u>	<u>A. Editor</u>
QRX or QSO.....		<u>to Health talk</u>
QRT at.....	<u>9:53</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>55 mins</u>	

Warm up set.....		
QST at.....		
QRX or QSO.....		<u>No Program</u>
QRT at.....		
Operator's sine.....		<u>EE</u>
Total time.....		

Second Program on 485 Meters

Eighth Program on 485 Meters

Warm up set.....	<u>10:25 AM</u>	
QST at.....	<u>10:27</u>	<u>WX</u>
QRX or QSO.....		
QRT at.....	<u>10:32</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>5 mins</u>	

Warm up set.....	<u>4:55 PM</u>	
QST at.....	<u>5:00</u>	<u>markets</u>
QRX or QSO.....		
QRT at.....	<u>5:09</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>15 mins</u>	

Third Program on 400 Meters

Ninth Program on 400 Meters

Warm up set.....	<u>11:50 AM</u>	
QST at.....	<u>11:53</u>	<u>Time Sign</u>
QRX or QSO.....		
QRT at.....	<u>12:01 PM</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>10 mins</u>	

Warm up set.....		
QST at.....		
QRX or QSO.....		<u>No Program</u>
QRT at.....		
Operator's sine.....		<u>EE</u>
Total time.....		

Fourth Program on 400 Meters

Tenth Program on 400 Meters

Warm up set.....		
QST at.....	<u>12:05 PM</u>	<u>musical</u>
QRX or QSO.....	<u>12:20</u>	<u>NRA. NNZ</u>
QRT at.....	<u>12:38</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>30 mins</u>	

Warm up set.....	<u>8:25 PM</u>	
QST at.....	<u>8:30 PM</u>	<u>musical Prog</u>
QRX or QSO.....	<u>8:37 P</u>	<u>NZA WNC VCC</u>
QRX or QSO.....	<u>8:45</u>	<u>WNC WNY VBA</u>
QRX or QSO.....	<u>8:57</u>	<u>WBA WNY NRA WAA</u>
QRX or QSO.....	<u>9:10</u>	<u>WBY NRA</u>
QRX or QSO.....	<u>9:30</u>	<u>NRA NRA WNY</u>
QRX or QSO.....	<u>9:50</u>	<u>NRA WNY WNY</u>
QRT at.....	<u>9:55</u>	
Operator's sine.....		<u>EE</u>
Total time.....	<u>1 hr. 30 mins</u>	

Fifth Program on..... Meters

Warm up set.....		<u>No program</u>
QST at.....		<u>Testing new inductometer</u>
QRX or QSO.....		<u>and obtaining new readings</u>
QRT at.....		<u>from 2:00 pm to 3 pm inter-</u>
Operator's sine.....		<u>mittently</u>
Total time.....	<u>45 mins</u>	

Eleventh Program on 400 Meters

Warm up set.....		
QST at.....		
QRX or QSO.....		<u>No program</u>
QRT at.....		
Operator's sine.....		<u>EE</u>
Total time.....		<u>1 hr. 30 mins</u>
Grand Total time for day.....		<u>1 hr. 30 mins</u>

Sixth Program on 485 Meters

Warm up set.....	<u>3:25 pm</u>	<u>W. P. D. Markets</u>
QST at.....	<u>3:30 pm</u>	
QRX or QSO.....		
QRT at.....	<u>3:37 pm</u>	
Operator's sine.....		<u>WRN</u>
Total time.....	<u>10</u>	

Howard Campbell
Chief Radio Engineer.