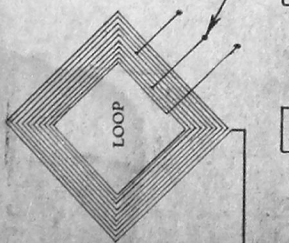


CONNECTIONS FOR LOOP

For loop operation all connections remain the same except that the two loop connections are made to terminals A and L and the aerial connection omitted.

The loop should contain the following number of turns with intermediate taps as shown :

SIZE OF LOOP Measured at average turn	TOTAL TURNS	TAP AT TURN NO.	TAP AT TURN NO.
15 inches	24	12	6
18 "	20	10	5
24 "	15	7	3
32 "	12	6	3



Insert the 112 type tube in the last audio socket which is located at the extreme left of the receiver.

Information concerning the connections for other type tubes and battery substitutes will be found in the *Instruction Manual*.

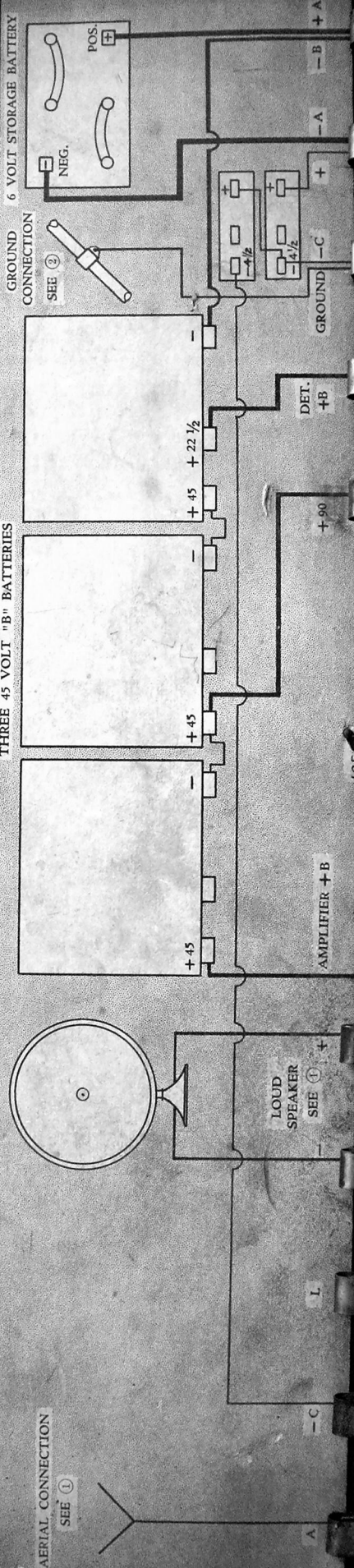
DIAGRAM REFERENCES

- ① A single wire aerial 100—125 feet long including lead-in, is recommended. For best results it should be suspended in an

open space and insulated at all points of support. The aerial connection and loud speaker leads must not run parallel with the cabinet except at a distance of at least two feet and should enter the set from the left or directly from the rear. An indoor aerial wire 30 to 50 feet long may be used successfully for local and moderately distant reception.

- ② Connect the ground wire by means of a ground clamp to a water or radiator pipe at a place which has been scraped clean.

THREE 45 VOLT "B" BATTERIES



GREBE SYNCHROPHASE RADIO RECEIVER

A. H. Grebe & Co., Inc.

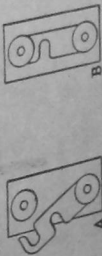
Richmond Hill, N. Y.



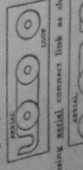
TRADE MARK-REG. U. S. PAT. OFF.
 PATENTED MARCH 10, 1925 MAY 5, 1925 MARCH 10, 1925
 OTHER STRUCTURAL AND CIRCUIT PATENTS PENDING

1. Be sure that all battery connections have been properly made.
2. Turn volume knob to "off."
3. Turn Colortone knob to 6.
4. Place vacuum tubes in sockets.
5. Turn volume knob to 4.

POSITION OF LINK SWITCHES



DISCONNECTED
 A—Indicates position of link when disconnected. B—Indicates position of link when connected when using loop antenna. When using aerial, connect link as shown above.



DIAL CONTROL



INDIVIDUAL DIAL CONTROL
 Unscrew thumb-nuts U-1 and U-3. This permits all three dials to be turned independently.

MASTER DIAL CONTROL

Tune all three dials accurately to some station near 50 on the dials. Without disturbing the setting of the other dials, turn the master dial. This causes the other dials to move in the same direction. The master dial may be had by unscrewing thumb-nut U-2. This permits the master dial to be turned independently. This should be used for fine tuning.

MASTER DIAL SETTING

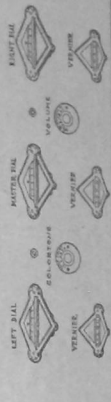
HIGH RANGE		LOW RANGE	
Wave Length	Dial Setting	Wave Length	Dial Setting
526	84	315.6	81
405.2	67	263	64-5
315.6	34	202.6	36
263	14	175	7.0

HIGH-LOW RANGE SWITCH

TO OPERATE ON HIGH RANGE
 Move master dial past 100 mark as far as it will go.
 TO OPERATE ON LOW RANGE
 Move master dial past zero mark as far as it will go.
 These movements of the master dial will automatically operate the range switch.

COLORTONE

Any desired degree of volume may be obtained by turning this knob. Always turn knob to "off" position when through using set.



ACCESSORIES REQUIRED

- 4 201-A Type Vacuum Tubes.
- 1 6 Volt Storage Battery.
- 2 4 1/2 Volt "C" Batteries.
- 1 Loud Speaker.

Aerial Equipment or loop if aerial cannot be erected.
 For the use of solar tubes and "p" battery guide, refer to the last audio stage, consult the manual.

PROTECTIVE FUSE LAMP

This fuse lamp protects the set, "p" battery and other accessories from short circuit conditions. If the fuse lamp burns out, remove the lamp before screwing in a new one. In case the lamp is burned out, the dial light may be replaced by a power and screw into the fuse lamp socket. The lamp is a 15-watt, miniature Mazda lamp.

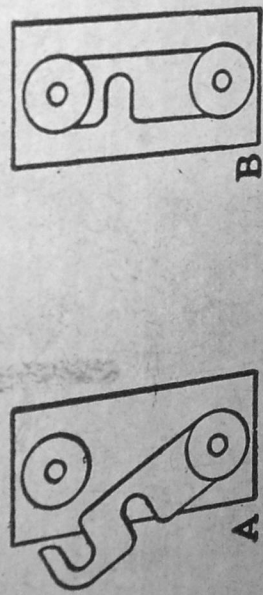
TYPE MUI SERIAL K.C.G.
 This set is arranged for storage battery operation. Additional information will be found in the manual. This manual will be sent prepaid, at cost of twenty-five cents.



A. H. Grebe

1. Be sure that all battery connections have been properly made.
2. Turn volume knob to "off."
3. Turn Colortone knob to 6.
4. Place vacuum tubes in sockets.
5. Turn volume knob to 4.

POSITION OF LINK SWITCHES

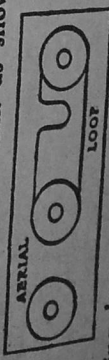


DISCONNECTED
 A—Indicates position of link disconnected when oversized aerial is used OR WHEN ADDITIONAL SELECTIVITY IS REQUIRED.

CONNECTED
 B—Indicates position of link connected when 125-foot aerial is used or when additional volume is required. Must also be closed when using loop.

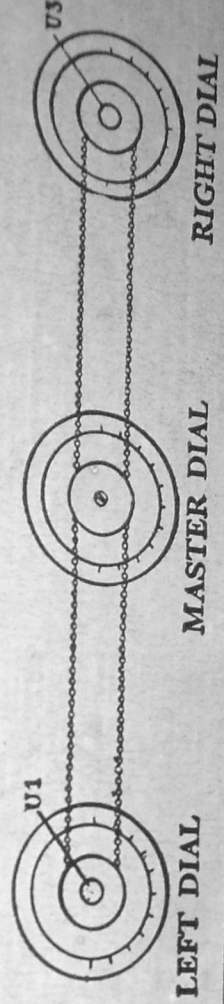


When using aerial connect link as shown above



When using loop connect link as shown above

DIAL CONTROL



INDIVIDUAL DIAL CONTROL

Unscrew thumb-nuts U-1 and U-3. This permits all three dials to be turned independently.

MASTER DIAL CONTROL

Tune all three dials accurately to some station near 50 on the dials. Without disturbing the setting of the other dials, tighten thumb-nuts U-1 and U-3. This causes the master dial to control the meters and other stations are tuned in on the master dial only. Two-dial control is obtained by unscrewing thumb-nut U-1, using the master dial for tuning. The verniers show the tuning.

GREBE SYNCHROPHASE RADIO

TRADE MARK-REG. U. S. PAT. OFFICE



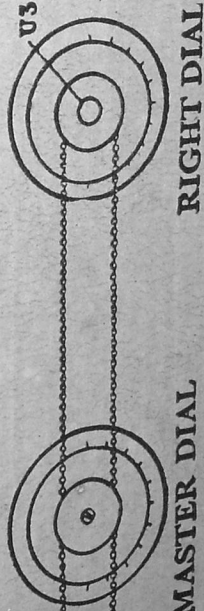
A. H. Grebe & Co., Inc.

Richmond

TRADE MARK-REG U.S. PAT. OFF.

PATENTED MARCH 10, 1925, MAY 5, 1925 MARCH 10, 1925
OTHER STRUCTURAL AND CIRCUIT PATENTS PENDING

DIAL CONTROL



INDIVIDUAL DIAL CONTROL

thumb-nuts U-1 and U-3. This permits all to be turned independently.

MASTER DIAL CONTROL

all three dials accurately to some station near the dials. Without disturbing the setting of the dials, tighten thumb-nuts U-1 and U-3. This moves the master dial to control the motion of the dials and various stations are tuned in by moving the master dial only. Two-dial control may be had by unloosening thumb-nut U-1, using the master dial and left vernier for tuning. The verniers should be used for fine tuning.

MASTER DIAL SETTING

HIGH RANGE		LOW RANGE	
Wave Length	Dial Setting	Wave Length	Dial Setting
526	89	315.6	81
405.2	62	263	62.5
315.6	39	202.6	36
263	19	175	20

This alter speech individual

HIGH-LOW RANGE SWITCH

TO OPERATE ON HIGH RANGE

Move master dial past 100 mark as far as it will go.

TO OPERATE ON LOW RANGE

Move master dial past zero mark as far as it will go.

These movements of the master dial automatically operate the wave range switch.



ER

TYPE MUI SERIAL V.C. 627

State this serial in any correspondence relative to this set.

THIS SET IS ARRANGED FOR STORAGE BATTERY OPERATION

Additional information will be found in the instruction manual supplied with this set. Extra copies of this manual will be sent prepaid, at a cost of twenty-five cents.

ACCESSORIES REQUIRED

- 4 201-A Type Vacuum Tubes.
- 1 112 Type Vacuum Tube.
- 1 6 Volt Storage Battery.
- 2 4½ Volt "C," Batteries.
- 3 45 Volt "B" Batteries.
- 1 Loud Speaker.

Aerial Equipment or loop if aerial cannot be erected.

For the use of other tubes and "B" battery substitutes in the last audio stage, consult the instruction manual.

PROTECTIVE FUSE LAMP

This fuse lamp protects the set, "B" batteries and vacuum tubes against short circuit caused by a defective vacuum tube.

If the fuse lamp burns out, remove the defective vacuum tube before screwing in a new fuse lamp. When in doubt as to whether or not the fuse lamp is burned out, the dial light may be used as a test.


The lamp is a 1½-volt miniature lamp, No. 19.

DIAL LIGHT


This light serves to illuminate the dial. It also gives visual indication of the battery condition. It is a 6-volt miniature lamp, No. 19.

VOLUME


Any desired degree of volume may be obtained by turning this knob. Always turn knob to "off" position when through using set.




MASTER DIAL




VOLUME



RIGHT DIAL



VERNIER



VERNIER

TYPE MUI IS ARRANGED FOR

State this serial in any correspondence
THIS SET IS ARRANGED FOR
 State this serial in any correspondence
THIS SET IS ARRANGED FOR
 State this serial in any correspondence

Additional information will be found in the
THIS SET IS ARRANGED FOR
 State this serial in any correspondence

ACCESSORIES REQUIRED

- 4 201-A Type Vacuum Tubes.
- 1 112 Type Storage Batteries.
- 1 6 Volt "C", Batteries.
- 1 4 1/2 Volt "B", battery sub.
- 2 45 Volt Speaker.
- 3 Loud Speaker.
- 1 Aerial Equipment tubes and insulators.
- 1 Aerial Equipment tubes and insulators.

PROTECTIVE FUSE LAMP

For the use of other instruments and
 in the use of the last and other instruments and
 in the use of the last and other instruments and

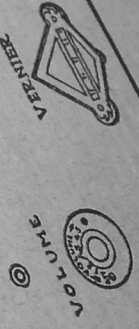
This fuse lamp protects the circuit against
 vacuum tube burnout and prevents
 vacuum tube burnout and prevents

If the fuse lamp is being used, it should be
 vacuum tube burnout and prevents
 vacuum tube burnout and prevents

VOLUME

Any desired degree of volume may
 be obtained by turning this knob.

Always turn knob to "OFF" position
 when through using set.



RADIO RECEIVER

Richmond Hill, N. Y.

APR 10, 1925
PENDING

TYPE MUI
State this serial in any order

THIS SET IS
STORAGE BATTERY

Additional information
instruction manual supplied
copies of this manual will
cost of twenty-five cents.

ACCESSORIES

- 4 201-A Type Vacuum Tube
- 1 112 Type Vacuum Tube.
- 1 6 Volt Storage Battery.
- 2 4½ Volt "C" Batteries.
- 3 45 Volt "B" Batteries.
- 1 Loud Speaker.

Aerial Equipment or loop if
erected.

For the use of other tubes and
stitutes in the last audio stage, con-
tention manual.

PROTECTIVE FUSE LAMP

This fuse lamp protects the set, "B"
vacuum tubes against short circuit
defective vacuum tube.

If the fuse lamp burns out, remove the
vacuum tube before screwing in a new
When in doubt as to whether or not the
is burned out, the dial light may be removed
its socket and screwed into the fuse lamp
as a test.

The lamp is a 1½-volt miniature Mazda
No. 19.

DIAL LIGHT

This light serves to illuminate the master
also gives visual indication that set is
It is a 6-volt miniature Mazda lamp, No. 19.

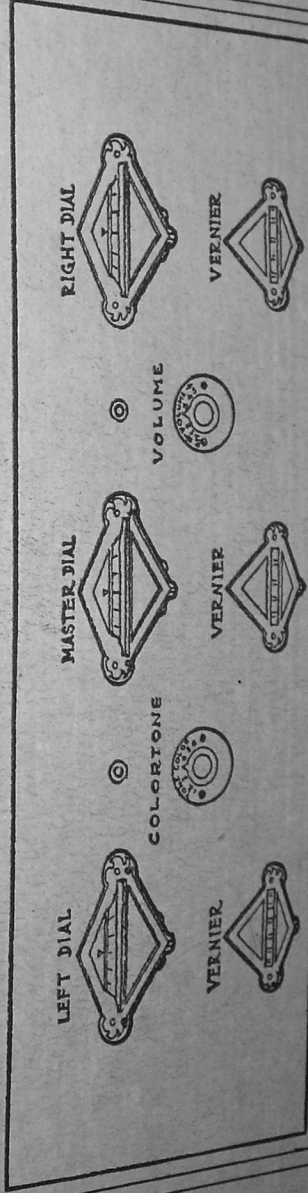
VOLUME

Any desired degree of volume may
be obtained by turning this knob.
Always turn knob to "off" posi-
tion when through using set.

COLORTONE

TRADE MARK

This adjustment should be used to
alter the quality or timbre of
speech and music to conform with
individual preference.



RANGE

Dial Setting

81

62.5

36

20

WITCH

RANGE

mark as far

RANGE

mark as far

the master dial
the wave range