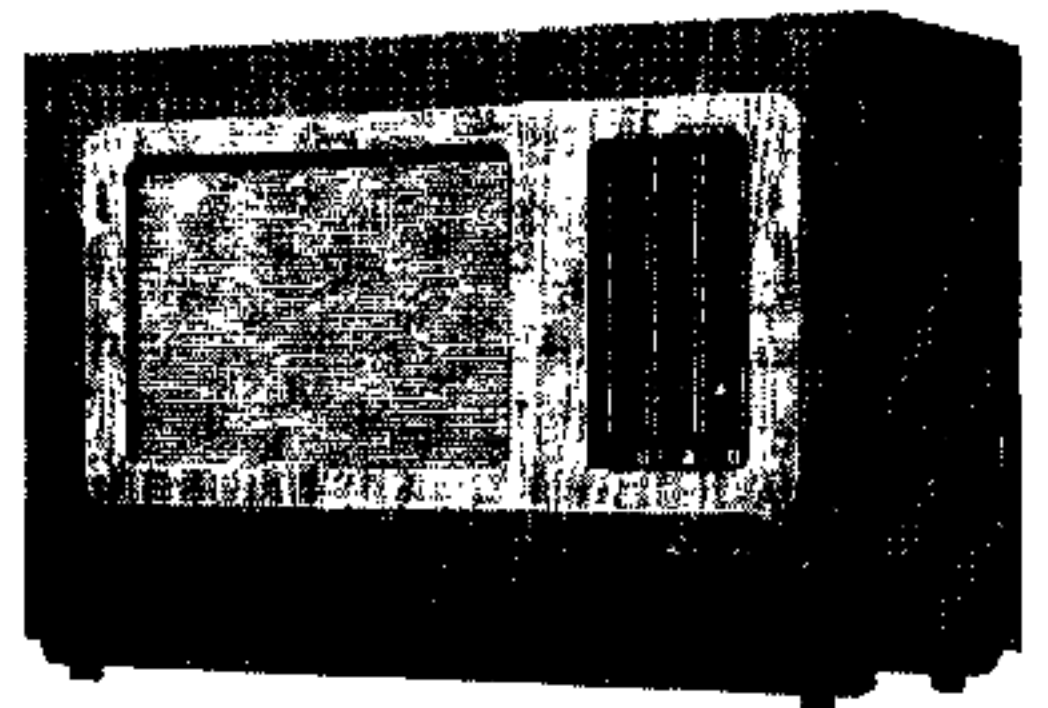


BUSH RADIO

Service Instructions

MODEL—BA.11 FOR BATTERY OPERATION



Front View of Receiver.

TO BE USED IN CONJUNCTION WITH SERVICE INSTRUCTIONS FOR BA.91.

VALVES.

Mazda V1—TP.25.
 " V2—VP.23.
 " V3—HL.23DD.
 " V4—PEN.25.
 Filament Voltage 2.0V.
 All valves have British Octal Bases.

CABINET DIMENSIONS.

Height 13 $\frac{1}{4}$ ins. Width 20 $\frac{1}{4}$ ins. Depth 9 $\frac{1}{2}$ ins.

WEIGHT.

Less Batteries approximately 20 lbs.

DISMANTLING.

1. Remove receiver back and disconnect H.T. and L.T. batteries.
2. Disconnect speaker leads from chassis and remove knobs on front and side of cabinet, access to knob grub screws is obtained through base and back of cabinet.
3. Unscrew four bolts holding chassis to base and remove chassis.

LIST OF PART NUMBERS.

Cabinet	...	...	...	...	...	EP15768
Cabinet back	...	...	...	...	...	EP15748
Cabinet base cut out panel	...	...	...	...	...	EP15769
Cabinet shelf	...	...	...	...	...	EP15770
Knob, large	...	...	...	...	...	P12814
Knob, small	...	...	...	...	...	AP13393
Pointer	...	...	...	...	...	AS15419
Wire and anchor for drive	...	...	...	...	...	AS16245
Scale	...	...	...	...	...	DP15425
Scale clip	...	...	...	...	...	AP15575
Screened grid cap	...	...	...	...	...	AP15902
Speaker	...	...	...	...	...	P3745

VALVE DATA.

The valve data is correct except for pin numbers. For these refer to the circuit diagram overleaf.

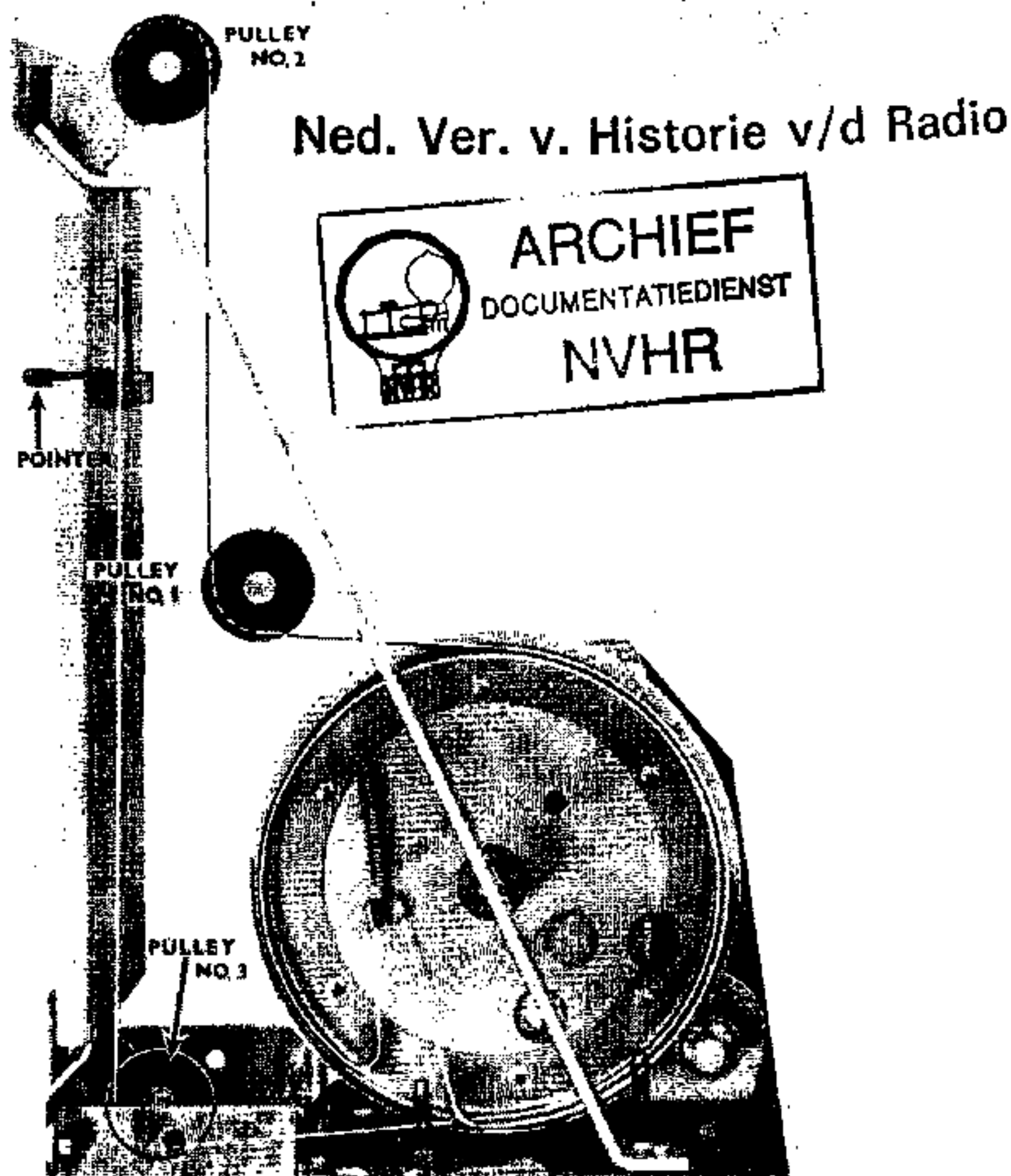
FITTING WIRE DRIVE.

The length of wire after clenching in the anchor is 34 $\frac{3}{4}$ ins.

Detach the pointer from the wire by raising the securing lugs on the back of the pointer. Hook the anchor to one end of the drive pressure spring the other end of which is attached to the hook on the drive drum. Pass the wire round the drive drum anti-clockwise for half a turn, round pulley No. 1, then over pulley No. 2, taking the wire down the back of the pulley mounting plate. Pass the wire round pulley No. 3, and returning to the anchor and spring with one anti-clockwise turn round the drive drum.

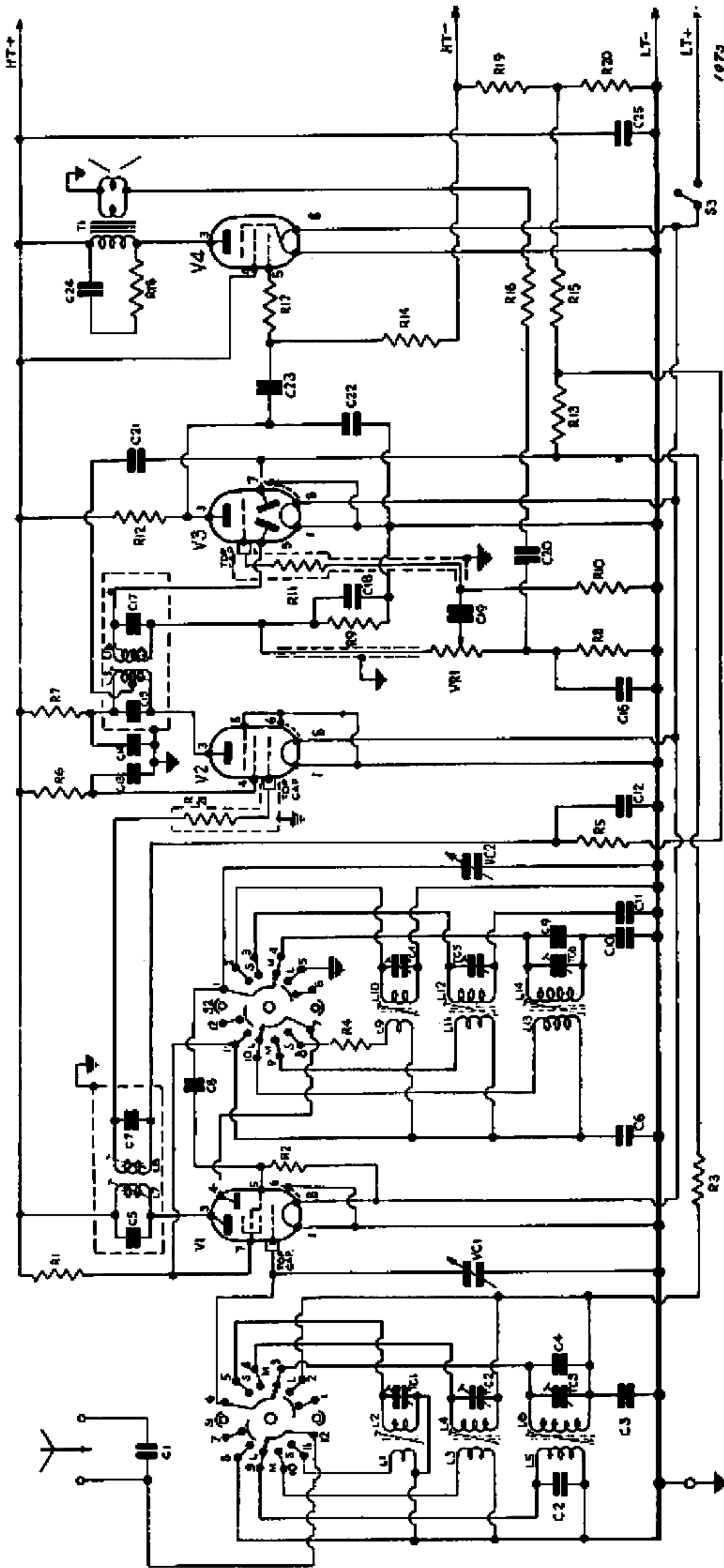
Turn the variable condenser until the plates are fully meshed and attach the pointer to the wire so that it is in line with the marks at the extreme top of the calibration scale.

Clamp the securing lugs of the pointer to the wire.

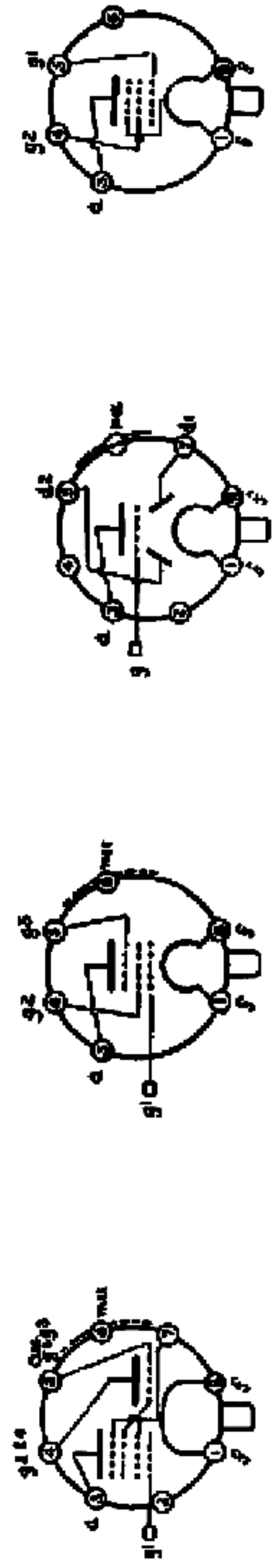


View showing wire drive.

CIRCUIT DIAGRAM BA.11



VALVE BASE DIAGRAMS



ERRATUM: MODEL BA.11

Valve Base Diagrams. The reference and type numbers have been omitted. From left to right they are: V1 — TP25, V2 — VP23, V3 — HL23DD, V4 — Pen 25.

The Pin Connections are shown as they would appear when the base is viewed from the underside of the chassis.