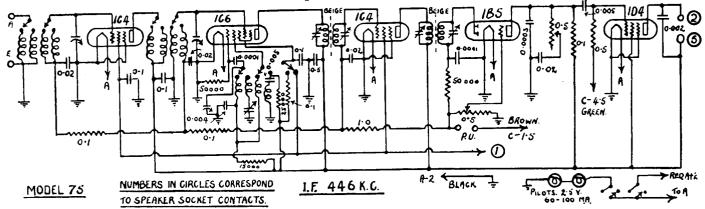
"Breville" Battery Dual-wave Model 75



Breville model 75 is a five-valve receiver designed for dual-wave coverage and operation from battery power supplies. This receiver is of the console type and is fitted with five controls—volume, tone (continuous), tuning, wave-change, and battery switch (with extra position for dial-lamp control). The loudspeaker used with this receiver is an 8-inch permanent magnet type, and power supply is obtained from a 2 v. accumulator ("A"), three series-connected 45 v. dry batteries ("B"), and a tapped 4.5 v. dry battery ("C"). Connections to the "B"

battery are made through the loudspeaker plug in accordance with the group diagram on page 256.

The circuit arrangement of this receiver follows that of Breville model "79" (description on page 257) very closely, and the descriptive matter given regarding the wave-changing arrangements in that model apply equally to this. The major point of difference between the two receivers lies in the fact that this model uses a single pentode output stage instead of the class "B" system employed in model "79." Another minor

point of difference is found in the fact that screen voltage for the R.F. and I.F. valves (and the converter on the broadcast band) is obtained direct from a tapping on the "B" battery instead of through a dropping resistor from "B" max.

The voltage distribution system in this receiver is quite straightforward and no other information is required than the oscillator anode grid potential; this is 75 v. on broadcast and 85 v. on shortwaves. Note also that the first four valves operate on zero bias under "nosignal" conditions,