

MODEL 418 (VANITY)  
SPECIFICATIONS

This model Crosley is a four-tube Tuned Radio Frequency receiver designed for operation on 110 volt circuits, either A.C. or D.C. The features incorporated are, Push Button Tuning, Dynamic Speaker, Pentode Output and a highly efficient T. R. F. circuit. The frequency range is from 1725 to 540 kilocycles. The tubes used are, one 6D6 as R-F amplifier, one 6C6 as detector, one 25A7C as Pentode output and Rectifier, and one W-45788 Ballast tube. The volume control changes the bias on the 6D6 and, at the same time the amount of signal fed to the antenna coil primary. The bias for the 6C6 is obtained from the voltage drop across item 17 (250,000 ohm resistor) and the bias for the 25A7C is obtained from the drop in the speaker field (525 ohm), which is in the negative leg. This voltage is filtered by item 19 (200,000 ohm resistor) before it is applied to the output grid.

This receiver incorporates a certain amount of fixed regeneration to improve selectivity and sensitivity. With a normal antenna the receiver is stable and the performance approaches that of a three gang T. R. F. receiver in spite of the fact that only a two gang condenser is used. However with no antenna or a very small antenna the receiver will oscillate but this oscillation can readily be controlled by the volume control.

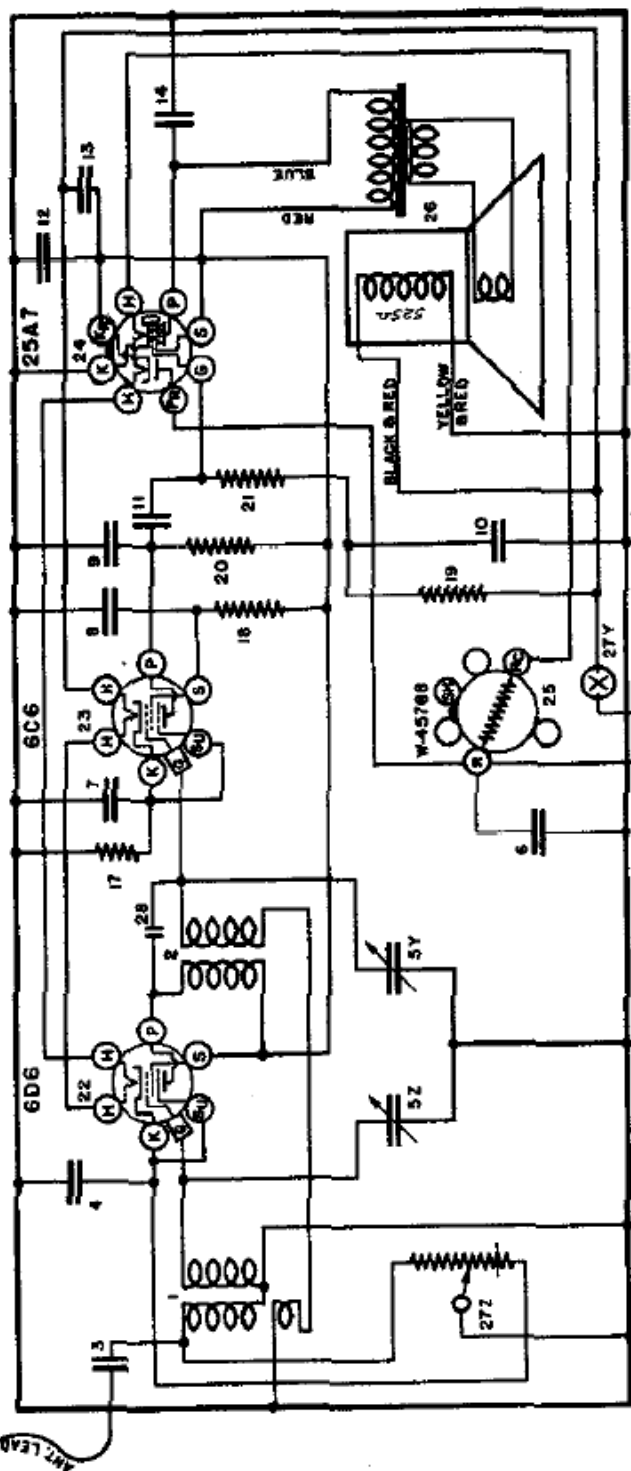
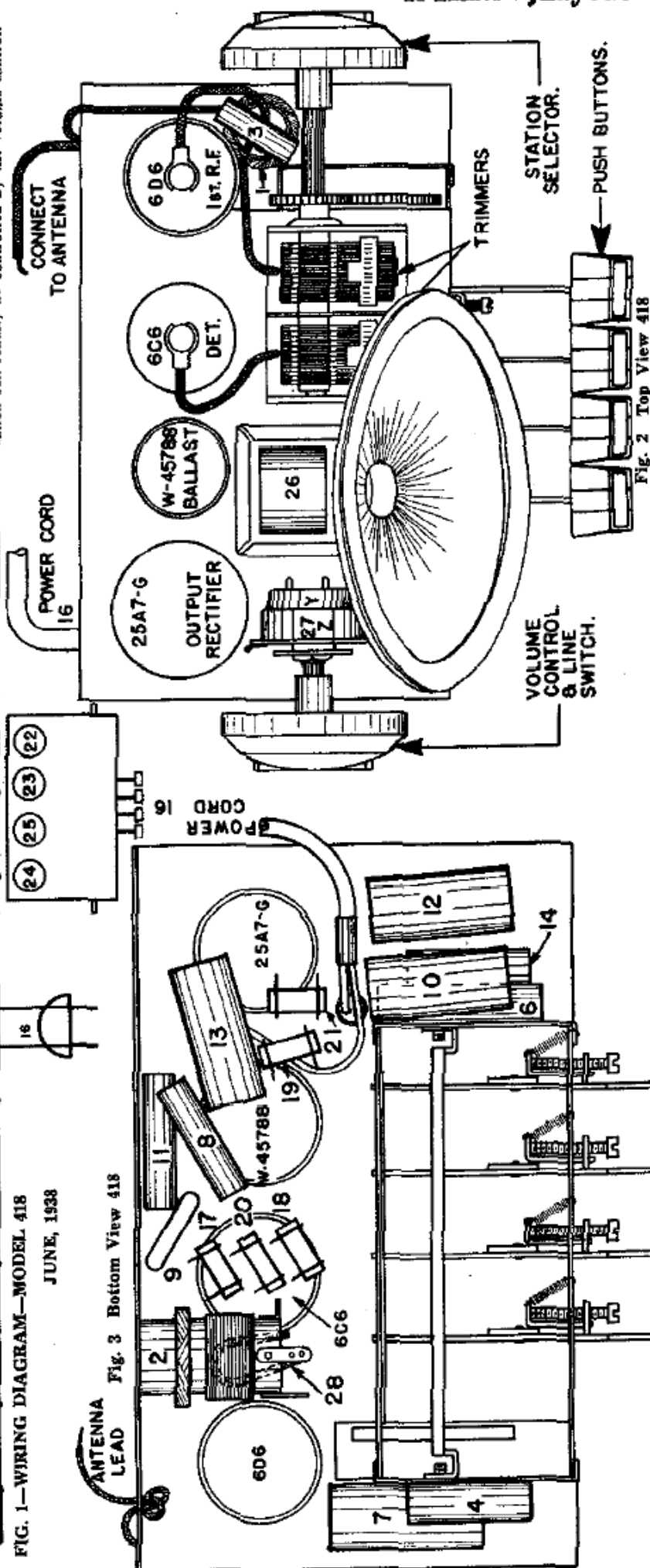
FIG. 1—WIRING DIAGRAM—MODEL 418  
JUNE, 1938

Fig. 3 Bottom View 418

Fig. 2 Top View 418