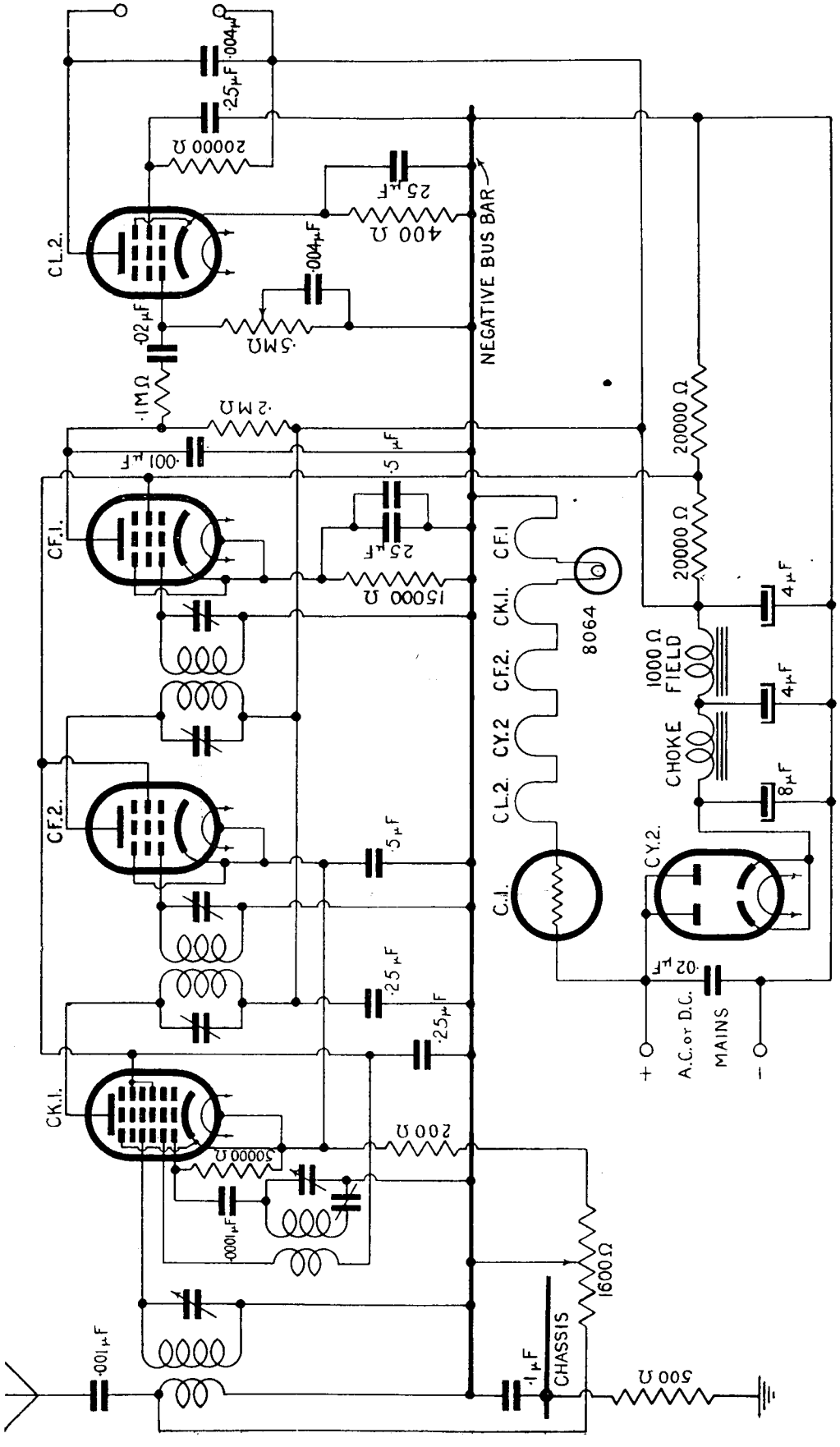
Philips "Radioplayer" A.C./D.C. B'dcast Model 5625



Philips Radioplayer model "5625" is a table receiver designed for broadcast reception and operation from A.C. or D.C. mains having a potential of 195—265 volts. Three controls are fitted to this receiver. These are for volume (bias variation type), tuning and tone control (continuous). The loudspeaker employed is 5 inches in diameter and has a field coil resistance of 1,000 ohms.

The valve combination used is as follows:—One **CK1**, as octode frequency converter; one **CF2**, as **460 KC** I.F. amplifier; one **CF1**, as anode-bend second detector; one **CL2**, as output pentode; one **CY2** as half-wave indirectly-heated rectifier; and a type **C1**, iron-hydrogen barretter as voltage regulator and dropping resistor. The dial lamp is a special 200 mA. type **8064**, and is wired in series with the valve heaters.

Typical operating voltages for this receiver, when operated on 240 v. A.C. mains, are as follow:—

CK1: Plate, 200 v.; screen, 50 v.; cathode, 1.5—7 v.; osc. anode grid, 50 v.

CF2: Plate, 200 v.; screen, 50 v.; cathode, 1.5—7 v.

CF1: Plate, 80 v.; screen, 50 v.; cathode, 2 v.

CL2: Plate, 180 v.; screen, 150 v.; cathode, 17 v.

These voltages were obtained with a "1,000 ohms per volt" meter between the valve sockets and the negative busbar.

Many of the components are mounted on a strip under the chassis. These are numbered and may readily be identified from the following:—(1) 50,000 ohms; (2) 0.1 mfd.; (3) 200 ohms; (4) 25 mfd.; (5) 15,000 ohms; (6) 20,000 ohms; (7) 20,000 ohms; (8) 200,000 ohms; (9) 0.0001 mfd; (10) 100,000 ohms; (11) 0.02 mfd.; (12) 0.004 mfd.; (13) 20,000 ohms; (14) 0.02 mfd.; (15) 400 ohms; (16) 25 mfd. In addition, five condensers are mounted in a block with the case acting as a common earth. The four red leads from this block go to 0.25 mfd. condensers, and the yellow lead to an 0.5 mfd. condenser.