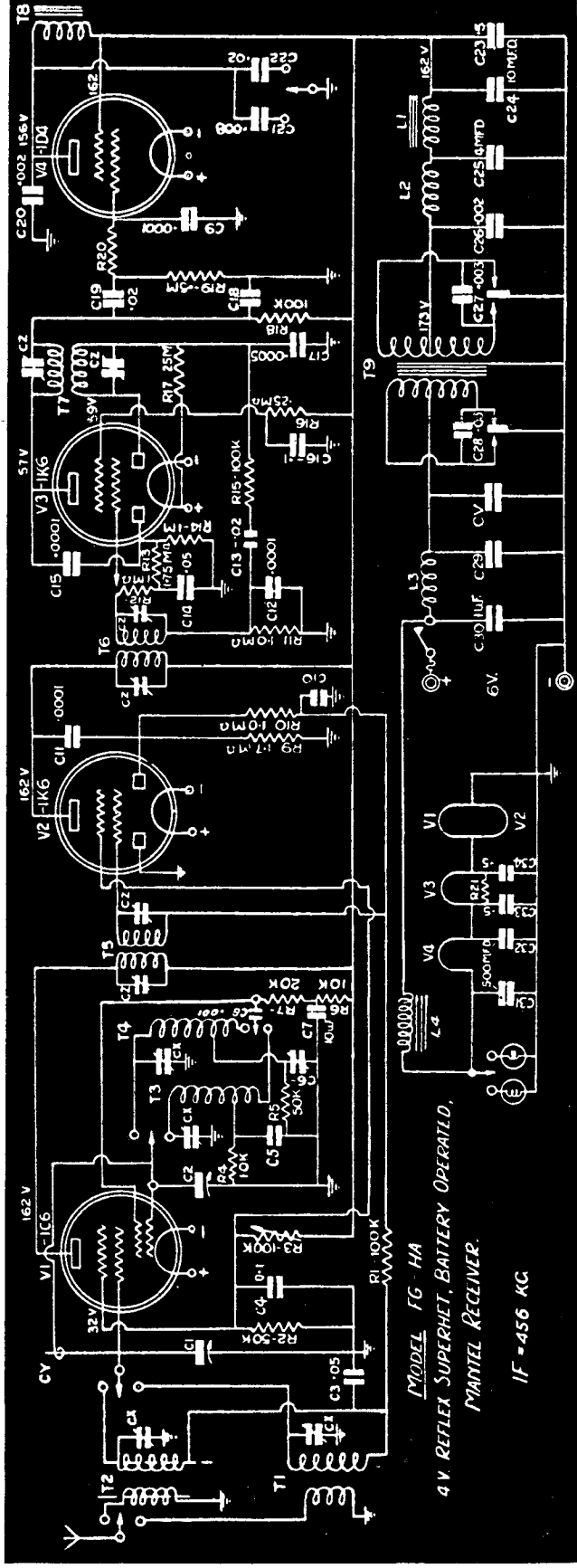


# "Astor" Vibrator D/W Console Model 470 and "Aladdin" Mantel Model FG



## ASTOR

### "ALADDIN"

Chassis type "FG"  
Uses 6-inch permag.  
loudspeaker.

## ASTOR 470

Chassis type "HA"  
Uses 8-inch permag.  
loudspeaker.

Chassis type "FG" and "HA" differ in placement of parts and in value of C19—0.02 mfd. in "FG," 0.002 mfd. in "HA."

## Component Values

### RESISTORS.

R1, R15, R18—100,000 ohms, ½ W.; R2, R5—50,000 ohms, ½ W.; R3(PT102)—100,000 ohms, 1 W., sensitivity control; R4, R6—10,000 ohms, ½ W.; R7—20,000 ohms, ½ W.; R9, R13—1.75 megohms ½ W.; R10, R11, R14—1.0 megohm, ½ W.; R12—1.0 megohm, volume control; R16, R17, R20—250,000 ohms, ½ W.; R19—500,000 ohms, ½ W.; R21(PT113)—16.6 ohms, 5%, W.W.

### COILS, ETC.

T1(PT101)—S.W. aer. coil; T2(PT102)—B.C. aer. coil; T3(PT103)—S.W. osc. coil; T4(PT104)—B.C. osc. coil; T5(PT105)—1st I.F. trans. 456 kc.; T6(PT106)—2nd I.F. trans., 456 kc.; T7(PT107)—3rd I.F. trans., 456 kc.; T8—15,000 ohms, loudspeaker trans.; T9(PT110)—power trans.; L1(PT129)—500 ohms, filter choke; L2(PT109)—R.F. choke; L3(PT111)—special air-core filter choke; L4(PT112)—low resistance filament choke.

### CONDENSERS.

C1, C2(PC101)—sections of 2-gang variable; C3—0.05 mfd., 200 V., paper; C4, C16—0.1 mfd., 400 V., paper; C5(PC104)—3.500 mfd., 2.5% W.W., mica, S.W. paddler; C6(PC104)—150/500 mmfd., B.C. paddler; C7, C24(PC107)—10 mfd., 200 V., W.W. electro;

C8—0.001 mfd., 1,000 V., mica; C9, C11, C12, C15, C18—100 mmfd., 1,000 V., mica; C10, C14, C28—0.05 mfd., 400 V., paper; C13, C19—0.02 mfd., 400 V., paper; C17—500 mmfd., 1,000 V., mica; C20, C26—0.002 mfd., 600 V., paper; C21—0.008 mfd., 600 V., paper; C22—0.02 mfd., 600 V., paper; C23—0.5 mfd., 400 V., paper; C25(PC116)—4 mfd., 300 V., W.W. electro; C27(PT117)—0.003 mfd., 2,000 V., mica; C29(PC118)—0.5 mfd., 200 V., metal; C30(PC139)—1 mfd., 200 V.; C31, C32(PC120)—twin 500 mfd., 6 V., W.W. electro; C33, C34—0.5 mfd., 200 V., paper; Cx(PC122)—coil trimmers; Cy—"gimmick," approx. 2 mmfd., for neutralization of space charge effect in plate; Cv—"hash" trimmers; Cv—hash trimmers; This is composed of a short length of insulated wire connected to the free end of the tuning range, and having its free end twisted around the mixer input grid lead.

### SUNDRIES.

5-Pin, 6 v., Synchronous Vibrator—PM101; Wave Change Switch—PM106; Dial Lamps—PM107, 6 v., 0.1A; Fuse—PM111, 10A; Speaker Complete—PM112; Battery Cable Complete—PM113; Volume Control Flexible Cable—PM114; 5-Position Combined Battery Switch and Tone Control—PM110.

### ALTERATIONS.

In earlier models of this series R4 (10,000 ohms) will be found to be 30,000 ohms. The change to the lower value was made as from 27/9/37.