ECONOMY 3

(Continued)

drum 5, through the slot 6, through the tension spring 7, and without tying any knots on the spring, attach the cord to a screw in the centre of drum 8, temporarily. Taking the rest of the cord, attached to the pointer carriage 9, put two turns around the tuning spindle 10, making sure to start from the front and top of the spindle. Then pass the cord around pulley 11, through the hole in the chassis 12, around the drum 13, through the slot 14, and pass through the tension spring 7, from the opposite side to the first cord. Free the first cord and holding one cord in each hand, tie a single overhand knot, as though tying a bootlace. Then by pulling with both cords, the tension can be increased until it is satisfactory, and the knot pulled tight at the same time. This knot will hold sufficiently to check the operation of the tuning mechanism and when it proves satisfactory a couple of extra knots can be tied and the surplus cut off.

THE AEGIS "ECONOMY THREE"

Parts List

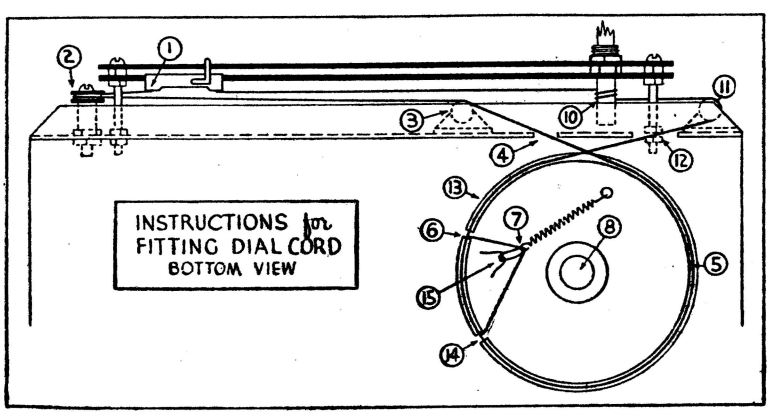
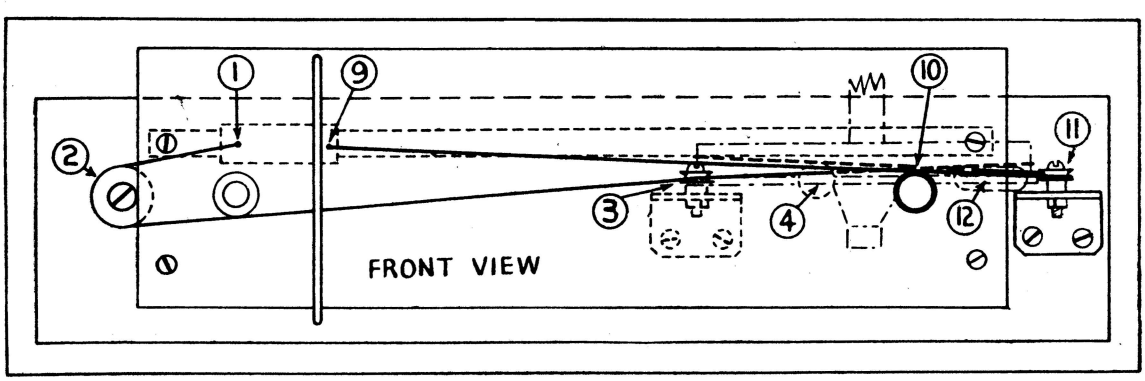
1—Cabinet, bakelite, inc. grille and baffle.
1—Dial assembly complete with glass.
1—Dial drum 3-inch.
1—"Aegis" M12 coil.
1—"AWA" single-gang condenser.
1—"Rola" speaker with transformer, type 5C.
2—Knobs, "Aegis."
1—Universal chassis, "Aegis."
1—Speaker bracket, "Aegis."
1—Red terminal.
3—Octal valve sockets.
1—40 mA. power transformer.
1—"Rola" filter choke, type 6/60.
1—½-inch rubber grommet.
1—Mounting Strip.
1—420 mmf. mica condenser.
1—250 mmf. mica condenser.
1—100 mmf. mica condenser.
1—.1 mfd. paper condenser.
1—.01 mfd. paper condenser.
1—.004 mfd. paper condenser.
2—8 mfd. electrolytic condenser.
1—25 mfd. electrolytic condenser.
6 ft. Power flex.
5 ft. Black hookup wire.
6 inches Red hookup wire.
6 inches Green hookup wire.
6 inches Spag. insulation.
18 inches Tinned copper wire.
1—Soldering lug.
3—3/8-inch spacers.
11—¼-inch x 1/8-inch R.H. Screws.
3—½-inch x 1/8-inch R.H. Screws.
4—5/8-inch x 5/32-inch R.H. Screws.
4—¼-inch x 1/8-inch C.S. Screws.
4—5/32-inch Nuts.
8—1/8-inch Nuts.
1—1/8-inch Shakeproof washer.
1—3/8-inch Shakeproof washer.
VALVES REQUIRED—
1 each 6J7G, 6V6GT, 5Y3GT.

CARBON RESISTORS

Value	Colour Code (Body)	(End)	(Dot)
1—1 megohm 1 watt	Brown	Black	Green
1—.5 megohm 1 watt	Green	Black	Yellow
1—.25 megohm 1 watt	Red	Green	Yellow
1—.1 megohm 1 watt	Brown	Black	Yellow

1—250 ohm wire wound.
1—.25 megohm potentiometer.

Further Assembly

Mount the power transformer. First remove the two nuts and insert it through the square hole from the top of the chassis. Make certain the side marked 0-210-240 is positioned at the centre line of the chassis underneath. Next mount the M-12 Coil and H.T. Choke as illustrated. Follow up by screwing on the speaker mounting bracket in front of the power transformer, insert the rubber grommet in the large hole at the rear of the chassis, and mount the red terminal as illustrated. Take care that the terminal screw does not make contact with the metal chassis. The speaker and baffle are left off until the wiring is completed.

The fitting of the dial cord may be a little tricky until you follow out these diagrams.