

Date of design - 1921.  
 Frequency range:- All waves.  
 Where fitted - Receiver-Outfits FE, CG and CI when fitted in destroyers.  
 Valves used:- NR14 Cumulative grid detector (1).

Board E is supplied as a stand-by for the amplifier in various receiver-outfits. It consists of an ebonite base board with valve holder, grid insulating condenser (4) and leak (5), and a filament rheostat (8).

The valve (1) acts as a simple detector and amplifier for I.C.W. signals and may be used for receiving C.W. by fitting a reaction coil (18) coupled to the input tuned circuit (15).

The reaction coil (18) should consist of 50 to 100 turns of 28 gauge wire wound on the ordinary three-inch aerial spreader, the number of turns depending on the frequency range on which the board E is to be used. (The higher the frequency the fewer the turns)

The reaction coil should be placed in the vicinity of the input tuned circuit with a pair of flexible leads to connect the winding in series with the telephone transformer primary (14).

It should be noted that this circuit will cause interference by re-radiation in the aerial

When Board E is supplied with a tuner amplifier and no separate tuner unit, it is necessary to construct one locally. It is under consideration to supply suitable plug in coils in the above case.

