

NOTES:-

The mechanical Features of the Box Coin Collecting N°14 are shown on Diagram EC 1415 (N1185) which should be perused in conjunction with this explanatory diagram.

All contacts on the explanatory diagram are shown in the normal condition.

Normal Conditions. The dial impulse springs are shortcircuited by contacts 9 & 10 and 15 & 16 in series.

The Coin Box Transmitter (Transmitter N°21) is shortcircuited by contacts 6 & 7.

The Call Office telephone is available for incoming calls.

Local Calls. The first penny inserted engages the Coin Slot Crank Arm which actuates spring assembly N°1 thereby,

(a) Transmitter N°1 is shortcircuited at contacts 4 & 5.

(b) Coin Box Transmitter is opened at contacts 6 & 7.

(c) 26 μ winding of induction coil is transferred to centre-point of bell at contacts 1, 2 & 3.

When the second penny is inserted, the combined weight of the two coins operates the Balance Arm which actuates spring assembly N°2, thereby removing the shortcircuit from the dial at contacts 9 & 10.

The caller is now free to dial and when the called number answers is able to hear

that correct connection has been made but cannot speak until button 'A' has been depressed

The caller, on depressing the 'A' button operates the 'A' Button Lever which restores

spring assemblies 1 & 2; the coins are deposited in the cash box and the circuit restored to normal

If the call is ineffective, the caller depresses the 'B' button.

The 'B' button operates the escapement mechanism and restores spring assemblies 1 & 2.

The escapement mechanism actuates spring assembly N°3 for 7 seconds thereby

disconnecting the 'A' line at contacts 13 & 14 and clearing down the exchange connection.

O° Calls. Trunks, Junctions, Enquiries

The caller may dial 'O' without the insertion of any coins.

When 'O' is dialled, ie; when the dial is revolved to its full extent, contacts 15 & 16 (which are in series with the dial shortcircuited contacts 9 & 10) are opened and remain open until the end of the tenth impulse and then close.

The fee is inserted under the supervision of the telephonist who is able to check the correct denomination of the coins by the signals transmitted by the wire and bell gongs via the Transmitter N°21.

The function of the first coin inserted and the 'A' & 'B' buttons is similar to that outlined under "Local Calls".