

NEW DEVICES

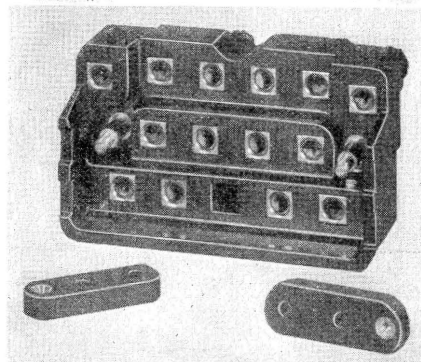
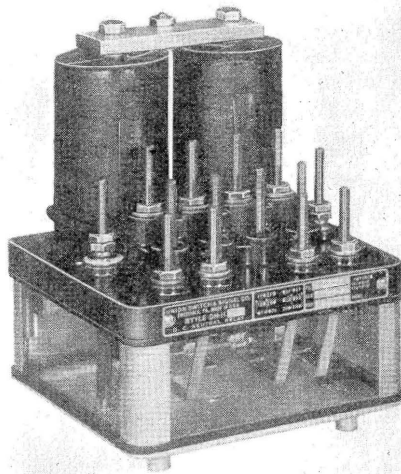
Plug Couplers for Relays and Signals

THE Union Switch & Signal Company, Swissvale, Pa., now has available auxiliary plug couplers for application to "Union" DN-11 four-point neutral relays, DP-14 polarized relays, having 4-front and 4-back neutral and 4 normal and 4 reverse polar contacts, Model 15 a-c. relays, SLV-13 a-c. relays, centrifugal relays, "CD" code-following relays, d-c. coding units, pendulum type code transmitters, and the "Union" H or H-2 type of searchlight signal. These plug couplers permit the removal and replacement of the relays or operating units without disconnecting any of the field wires. This coupler is made of moulded bakelite and fitted with terminal posts spaced and marked the same as the terminals on the regular operating unit. Attached to the under side of each terminal post and housed inside the bakelite body are spring clip connectors which slide over and make contact with the terminal posts on the operating unit.

Some of the advantages claimed for these devices are:

1. Materially shortens the time required to remove from service and replace operating units, thus preventing or shortening train delay time, especially important in congested territories.

2. Eliminates any possibility of re-



Top view—relay minus coupler, center-view—coupler, bottom—plug coupler applied to DN-11 relay

placing field wires on wrong terminal when changing operating units, as wires are not removed from the plug coupler.

3. Can be applied to signals or relays now in service with little or no change in the operating units. Wires are simply removed from the present

terminal posts and placed on corresponding posts on the plug coupler.

4. Plug coupler spring clips have sliding contact on the terminal screws, and the clips are so designed that ample contact pressure will be maintained.

5. Plug coupler is self-aligning, and uniform contact is made on all posts.

6. Terminal binding posts on plug couplers are equipped with insulated nuts which prevents grounding or short circuiting the posts when the coupler is removed from the operating unit.

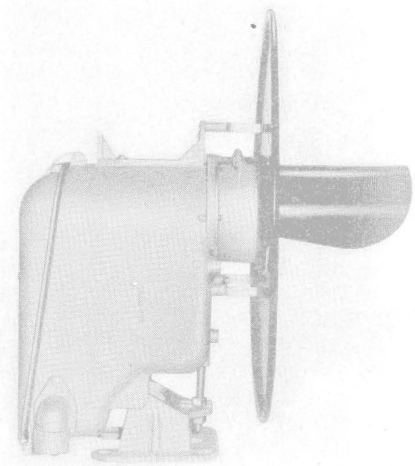
New Searchlight Signal

THE General Railway Signal Company announces the introduction of a new searchlight-type signal employing a different operating principle from that of existing searchlight signals. The aspects are progressive, i.e., red to yellow to green.

The spectacle is driven directly by the armatures of two neutral relays. In addition, these relays operate contacts for checking and indication circuits. The signal mechanism is housed in a main case which carries the outer lens, deflecting roundels, a plug-board, terminal board, conduit or cable coupling and suitable fittings to make the signal universally adaptable for mounting on foundations, bridges, or poles. The mechanism houses the



Plug coupler as applied to centrifugal track relay



Complete SC searchlight unit