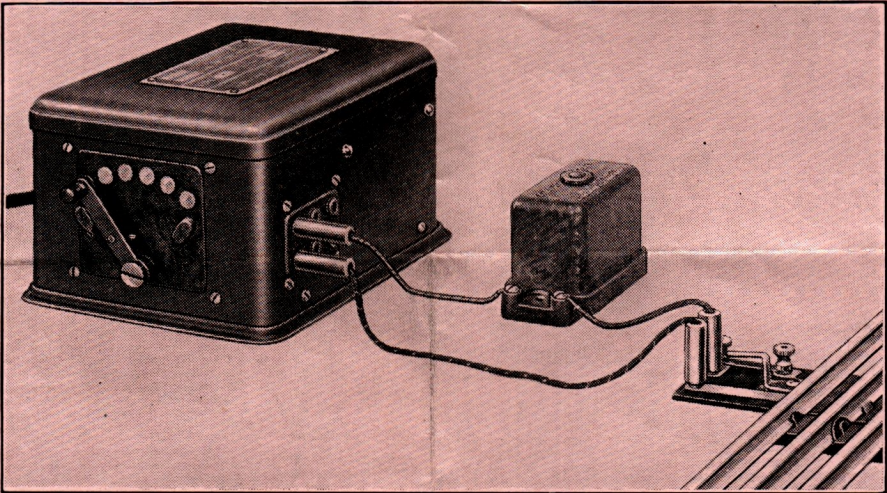


# INSTRUCTIONS FOR HORNBY AUTOMATIC CIRCUIT BREAKER

The Hornby Automatic Circuit Breaker is a device which, when used in connection with a Hornby Electric Railway, automatically cuts off the low-voltage current supply if a short circuit occurs. At the same time it draws attention to the situation in two ways - by the rising of a red button and by a sharp click. When the electrical fault that caused the short circuit has been dealt with, and the current switched off at the regulator, the Circuit Breaker is re-set by pressing the button down to its original position. This device does away with the necessity for replacing Fuse Wire whenever a short circuit occurs.



## CONNECTIONS

The accompanying illustration shows the Circuit Breaker connected to a Hornby Electric Railway. It is necessary to cut the wire that leads to the centre rail of the track at the point selected for the instrument, and the insulation must be removed for half an inch or so from each of the two ends thus formed. One end of the bared wire is bent round one of the terminal screws, and this screw is then tightened; the other bared end is dealt with similarly at the other terminal screw. The red button must be pressed down, as shown, to set the Circuit Breaker and thus complete the circuit to the rails.

The adjustment of the Circuit Breaker is such as to cause it to "trip" at about two amperes. It may possibly occur that when the speed regulator is set at dead slow the Circuit Breaker will not trip when a train is derailed. In this event the current should be switched off by the regulator and the electrical fault cleared.

## SPECIAL NOTE

The Circuit Breaker comes to you correctly adjusted. This adjustment must not be interfered with in any way, or the device may fail to protect the Transformer.

MECCANO LIMITED - BINNS ROAD - LIVERPOOL 13