

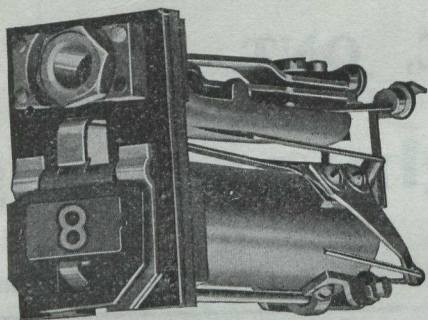
Equipment and Engineering

Interesting Notes on the latest Municipal and Telephone Appliances.

Kellogg Notes

Until recently practically all plug switches were operated automatically by the cord weight when the plug was in place. It has been found by long experience that plug switches constructed according to this general practice have weak contacts, and require a considerable amount of spring adjustment and attention.

The Kellogg Switchboard and Supply Co. have recently designed a new plug switch which differs very materially from the type previously used. When plug is returned to its seat, it is necessary for the operator to force it in place in order to operate the plug switch springs. This method of operating makes it possible to use stiff springs, and hence, as platinum is used, the contact obtained is as reliable as that of a switchboard key.



This plug switch is mounted in a vertical position, thus making it practically impossible for dust to collect on the contacts. As it occupies very little space, almost as many plug switches with associated plugs can be mounted upon a plug shelf as is possible when plugs with ordinary plug seats are used.

When a plug is forced into the plug switch, the sleeve of the plug makes contact with a metal roller, which in turn operates a small lever and closes or opens the plug switch contacts, depending upon the spring combination of the plug switch used.

Your request for prices and any further information will be given prompt attention by the addressing the Kellogg Co.



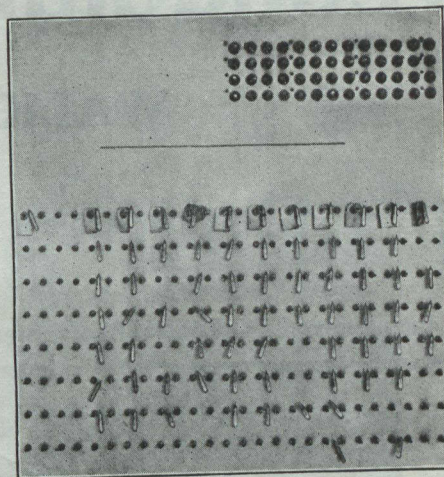
The Kellogg Switchboard and Supply Co. report an increasing demand for their new enamel insulated head band shown herewith. These head bands are thoroughly insulated, enamel does not chip, of light weight and unobtrusive when worn. They are proving especially serviceable in railway telephone dispatching work.

The new Kellogg magneto party line indicator is shown herewith set in place on a standard Kellogg combined drop and jack. It fits around jack sleeve bushing. Indicator points are refurnished in four colors, red, white, green and blue.

The Kellogg Company's lamp testing board reveals some decidedly noteworthy facts in regard to the endurance of Kellogg lamps in comparison with other makes.

Recent inspection of this board gives the following:—

70-48 volt Kellogg lamps were placed on this board in 1905. Since that time 5 have gone out but the remaining 65 have burned constantly, nine hours a day, and still continue to give a good, clear serviceable light.



15-48 Volt Kellogg lamps were installed on this board in 1906 and an account to date (October, 1911) shows 14 out of the 15 to be burning bright and strong.

40-48 Volt lamps, ten each for four different competitor's samples submitted, were installed in April, 1910. Three months after that time over one half of them were burning feebly, and at the present time but three give serviceable light, seven give a dim light, and the remainder are barely perceptible.

The Kellogg Company claim their switchboard lamps are unexcelled and this test seems to indicate that their lamps in service bear out the Kellogg reputation.

IMPROVED "X-CELL"

The Canadian Carbon Co., Toronto, has been experimenting on new ingredients for dry batteries for a considerable time, and has succeeded in producing a formula which, by actual tests, increases the endurance of the "X-Cell" batteries by fully 29.3 per cent. As a result of this, and the general growth of their business, they are moving into larger quarters at 90 King St., West, where they have a large factory building in the rear of the office.

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