

Equipment and Engineering

Original Descriptions of Municipal and Telephone Machinery and Appliances. Engineers' Notes.

The Kellogg-Dean Amalgamation

In speaking of the proposed Kellogg-Dean amalgamation—which we reported last month had been abandoned, "Telephone Securities" says:—

"Although the plan has now been abandoned, the operations towards the consolidation have resulted in disclosing the strength of both companies concerned in it. The Kellogg plant, under the careful scrutiny of the appraisers, showed a total of \$2,250,000 quick assets, either in cash or its equivalent — assets which are readily convertible into cash—and the Dean plant showed a total of \$1,250,000 quick assets."



The above cut is taken from a return postal card calendar issued by the Kellogg Switchboard & Supply Co., illustrating a subscriber telephoning over one of their desk stands. The half-tone brings out clearly the symmetrical lines of the Kellogg telephone and indicates that telephoning over Kellogg apparatus is a pleasure, a fact that operators generally know to be true.

The calendar is being sent out with a return card attached, which allows the recipient to conveniently send for desk stand prices or bulletins on telephones and switchboards. The illustration is made in two colors and shows a pretty girl talking over a desk telephone held in her hand. Below the half tone plate is a line drawing of a rural scene, a telephone pole line stretching away in the distance, to a prosperous looking farm house. This postal calendar will be sent promptly by addressing the company.

In Emergency

The following letter is typical of a number received by the Kellogg Switchboard & Supply Co. in the last four months, in acknowledgment of rush orders effectively filled.

March, 18th, 1910.

Kellogg Switchboard & Supply Co.

Gentlemen:—

I wish to thank you for your promptness in taking care of our recent telegraphic orders for telephones to replace those recently destroyed by fire.

Yours very truly,

Home Tel. Co.,

John H. Wright, Mgr.

The Value of Water Meters

Again the value of water meters in preventing waste is seen in the annual report of City Engineer Doane, Halifax, N. S. It may be remembered that we quoted from Mr. Doane's last report, when only a few meters had been installed, showing the change they made. In his recent report, the City Engineer says:—

"The general installation of meters ceased at the beginning of the year, but the improvement in the low service as shown by the figures published in the last Annual Report was not a temporary one. Over five hundred meters were installed in March and April, 1908, and the reduction in consumption made by even that small number shows what they will do.

"The reduction in consumption, about 800,000,000 gallons for the year, is not the only advantage gained. In March, 1908, when the annual pressure test was made the average pressure on the low service hydrants was 35 pounds. In March, 1909, the average pressure had increased to 37.38 pounds, or about 7 per cent. This also is a new experience in Halifax in recent years. In every case where a complaint has been made against meters the consumption has been larger than it should be, and in many the waste was deliberate, the plumbing being exposed to the frost.

"While the meter way may not be the popular way, and consequently may not be a vote winner, it must be apparent to any fair-minded man that it is the right way, and in time it will be adopted generally in Halifax. It is already popular with those who find it cheaper. In St. Boniface, Manitoba, and Gananoque, Ontario, Canadian cities having every service metered, the daily consumption is 25 and 31 gallons respectively per capita; in Halifax over ten times the quantity."

A Solderless Connector

Of interest to everyone in the Electrical Business, is the Dossert Connector Cable Tap, shown on another page of this issue.

This cut illustrates one of a very complete line of Solderless Wire and Cable Connectors. The full line comprises cable taps (as per cut), two and three way connectors, cable and switch lugs, motor connections, grounding caps, reducers, equalizers, rail bonds, etc., etc., each one of which is developed to take all sizes from No. 14 B. & S. to 2,000,000 C. M. or any combination. They can also be developed for larger sizes to meet special conditions.

As their name implies, the Dossert Connectors do away entirely with the blow torch, gasoline, solder and the attending annoyances, well known to every practical man who has had occasion to make an electrical connection. By the Dossert method, an effective joint, which is both mechanically and electrically perfect, can be made by anyone; an ordinary monkey-wrench and a pair of hands being the only tools necessary. This means much to the Central Station where only a few joints would be made daily and where the expense of keeping a high priced man for cable jointing work can be eliminated. The economy of using this method of cable jointing is evidenced by the large number of power houses throughout Canada and the United States now using these connectors. Many of them having standardized them throughout their entire system.

With the increasing use of Aluminum Conductors for power distribution, Dossert Connectors play an important part; being especially developed for use on this material, it being practically impossible to use solder with effectiveness on Aluminum.

The prices together with catalogue and fullest possible description relative to the interesting subject, will be cheerfully furnished by the Canadian Sales Agent of the Company, Irving Smith, Nos. 406-407 St. Nicholas Bldg., Montreal. These are the only Solderless Connectors approved by the National Board of Fire Underwriters.