

WITH THE MANUFACTURERS

The Edison Mfg. Co., Orange, N. J., have just completed extensive additions to their plant. The increase in facilities was made necessary by the large and growing demand for primary batteries of the Edison manufacture and has resulted in doubling the output of the factory.

Willson's Gummed Paper Letters and Figures.

Willson's Paper Letters and Figures are taking high rank among the devices which make for simplicity and economy. Since their introduction into signal drafting rooms they have become invaluable in making manipulation charts and for labeling purposes in general. By their use manipulation charts can be made in a small fraction of the time which would be required to ink the letters in by hand, and a finished chart made with the Paper Letters and Figures is so neat and attractive in appearance that much tedious and careful work on the part of a draftsman would be needed to make hand work look as nice. One draftsman who had two charts

the letter and it should be pressed gently to its place. There is no need to rub it down, however, until the line is finished, at which time a blotter or paper may be placed over the whole line and all the letters rubbed down at once.

By following these directions it will never be necessary to touch the gummed side with the fingers, and with a little practice the lettering may be easily and pleasantly accomplished. Where a great deal of lettering is to be done a wet pad will be found useful. The best for this purpose is a small piece of chamois about 3 or 4 in. square. This should be moistened thoroughly and laid upon a piece of glass, where it will be found very convenient and much better than a cloth or sponge, as it does not take the gum off the letters. Very little moisture is needed, but the entire surface of the gummed side should be slightly dampened, and rubbed down well to exclude every particle of air.

Willson's Paper Letters and Figures are made by The Tablet and Ticket Co. of Chicago, New York and San Francisco.



Fig. 1.

place. There is no need to rub it down, however, to make some time ago, made one of them by hand, and by hard application was able to finish it in five days of eight hours each. He then procured Willson's Gummed Paper Letters and Figures and in twelve hours, or a day and a half, he turned out the second chart completed, even though it had more routes listed upon it than did the first one, and the second chart was much neater and more attractive than the first.

Willson's Paper Letters and Figures are made in a large variety of sizes and styles, are easily and quickly applied and when once in place they stay there. In applying them the following directions will be found of value:

First the letters to be put on should be laid out in a line, in order that some idea as to the length of line and the proper spacing may be obtained. In lettering a chart a thick piece of paper or card should be placed with its edge along the line of the bottom of the lettering, where it may be fastened and the bottom of each letter should be worked to the edge of the paper. Nothing is better to handle the letters than a small pocket knife. A letter should be picked up between the thumb and the blade, then moistened in the same manner as a postage stamp is moistened, but very slightly, keeping the letter all the time between the thumb and the blade, when a slight movement of the letter on the blade will cause it to adhere thereto, and it can then be placed in position square with the edge of the card or paper. Now the forefinger of the left hand should be placed on

The Universal Carrier Base which is shown in Fig. 1 is a device recently brought out by the W. K. Kenly Co., of Chicago. It is intended as a substitute for the wood block heretofore generally used for holding pipe carriers to the concrete foundations. The Carrier Base shown is for a 6-way pipe line. The slots for the anchor bolts are made long so that the base may be fastened in almost any position on the foundations and may be shifted laterally if necessary. By means of the lap joint any number of pieces may be put together and the joint protects against twisting and vertical displacement. The joint need not be placed over the concrete block as it is of ample strength in itself. The Universal Carrier Base is made either in malleable or cast iron.

A unique folder in the form of a blue print on the back of which is printed matter descriptive of the Universal Non-Inductive Ground is being distributed by the Delta Electric & Mfg. Co., 304 Commercial National Bank Bldg., Chicago.—The Universal Ground is used for grounding electrical apparatus and consists of a copper-plated iron casting which is screwed into the ground to any desired depth by means of a wrench which is withdrawn when the depth has been attained. A copper lead which is fastened to the casting and which projects through the hollow wrench while the casting is being put into the earth, furnishes the necessary connecting wire. The Ground is easy to install and exceedingly inexpensive compared to the old methods which it is rapidly superseding.