

United States Patent Office.

WILLIAM SMITH AND HIRAM D. ROGERS, OF CINCINNATI, OHIO, ASSIGNORS
TO HIRAM D. ROGERS.

Letters Patent No. 105,380, dated July 12, 1870; antedated January 26, 1870.

IMPROVEMENT IN METHOD OF PRODUCING PRICE-CURRENT SHEETS.

The Schedule referred to in these Letters Patent and making part of the same.

We, WILLIAM SMITH and HIRAM D. ROGERS, both of Cincinnati, Hamilton county, Ohio, have invented a new and useful Manifold Writing and Printing Tablet, of which the following is a specification.

Nature and Objects of the Invention.

Our invention is particularly designed to facilitate the simultaneous production of two or more copies or impressions of price currents and other periodical publications, whose contents consist in part of permanent and in part of transient matter, such as reports or statements of stocks, merchandise, dividends, dues, bulletins, general orders, &c., and consists essentially of the following elements.

General Description.

We provide a book, tablet, or pack, containing as many leaves of "manifold" paper as the required copies or impressions. This pack, book, or tablet, has imprinted on each leaf the permanent columns and lines, together with their headings, items, &c., with blank lines and titles for the corresponding or appropriate "quotations" or statements.

In connection with the above we employ as many slips of carbonized or manifold transfer paper as half the number of desired copies. We also employ either an ordinary copying-press, or a printing-press, or a hand-stamp, and an agate, or other suitable stylus.

Operation.

The permanent matter, being arranged in form of ordinary type or stereotype, is printed in the customary way, sheet by sheet, on any number of slips of manifold paper, which, being bound or united in a book, pack, or tablet, so as to "register" truly, the operator then interposes the proper number of transfer sheets of blackened paper, and, either by a stamp or with the stylus, marks down the quotations in their proper places on the outside page, so as to produce thereby as many *fac similes* as there are leaves, above or below which transfer paper has been placed.

Another mode of operating our invention consists

in taking a pack or tablet composed of blank sheets of manifold paper, and, having interposed a sufficient number of transfer sheets, to imprint the permanent matter simultaneously upon all the sheets thus treated, by inserting such tablet in a common press having said matter set up in type or stereotype, after which the quotations are added with a stylus.

For the multiplication of price currents our preferred mode of operation is specifically as follows:

Taking a suitable book or tablet of manifold paper, all of whose leaves are similarly printed with permanent matter, we turn over the number of leaves corresponding with the number of copies desired, and slip beneath them a piece of card-board. Over the lowest leaf we then place a sheet of carbonized transfer paper, turn down two leaves, insert another sheet of transfer, again another two leaves, and so on, placing the last sheet of transfer under the top leaf. The desired report or statement being then printed or written, or otherwise impressed upon the top leaf, in one of the modes already described, will be found repeated below on as many leaves as have transfer paper in contact with them.

By means of our combined printed and written duplication *fac similes* of the kind spoken of can be multiplied with a speed hitherto unattained.

Claim.

We claim—

As an improved process for producing price-current and analogous statements in manifold, the use of carbonized paper for producing the transient matter in connection with permanent printed matter, prepared in tabular form with reference to the said transient matter, all as hereinbefore explained.

In testimony of which invention we have hereunto set our hands.

WM. SMITH.
H. D. ROGERS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.