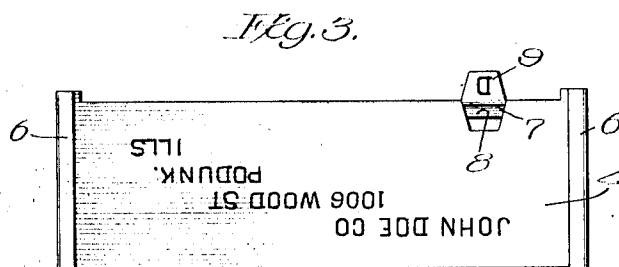
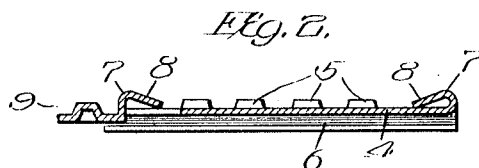
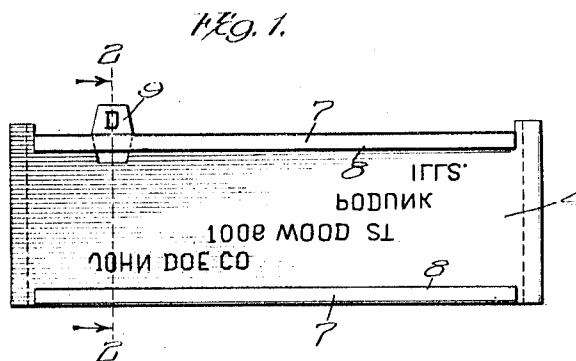


J. S. DUNCAN.
PRINTING DEVICE.
APPLICATION FILED MAY 7, 1910.

1,026,247.

Patented May 14, 1912



Witnesses:
Ed. Chavison
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UNITED STATES PATENT OFFICE.

JOSEPH S. DUNCAN, OF CHICAGO, ILLINOIS, ASSIGNOR TO ADDRESSOGRAPH COMPANY,
OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

PRINTING DEVICE.

1,026,247.

Specification of Letters Patent.

Patented May 14, 1912.

Application filed May 7, 1910. Serial No. 559,906.

To all whom it may concern:

Be it known that I, JOSEPH S. DUNCAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Printing Devices, of which the following is a specification.

This invention relates to that class of printing devices which comprise a printing form and are adapted to be stored in accordance with a card index system or stacked in a pile. Sometimes these printing devices have embodied therewith a card bearing an impression of the printing form, or other information, but this card is not always required and it is desirable for commercial reasons to provide a printing device of small size adapted to be arranged in accordance with a card index system and so that a greater number may be stored within a given space.

My invention has for its object, therefore, to provide a printing device of small size and simple and strong construction adapted to be stored in accordance with a card index system and to resist all tendency to bend or break while the type characters are being stamped therein and while it is being used in the addressing machine, or handled in packing, shipping, or at other times.

In the accompanying drawing illustrating the invention Figure 1 is a front elevation of a printing device embodying the invention. Fig. 2 is an enlarged sectional view on the line 2—2 of Fig. 1. Fig. 3 is a back view of the device.

The printing device is made out of a single sheet of metal and comprises a printing plate section 4 in which the type characters 5 are stamped or pressed by any suitable means. The ends of the sheet are bent to form spacing flanges 6 at the back of the device and between these spacing flanges both the upper and lower edges of the sheet are turned inwardly upon the front of the sheet to provide strengthening and stiffening beads 7. Both of these beads are preferably made wider than an ordinary bead to provide greater strength for the device. Each of the beads is preferably made in loop form with its edge 8 pressed against the printing plate section. The beads are preferably elevated somewhat above the

plane of the type to additionally protect the face of the type when the devices are stored or stacked. An index tab 9 is cut or stamped out of the printing plate section and bent upward at the back of the device to project above the upper edge of the device. This index tab may be arranged in any position between the ends of the device as required for index purposes.

My improved printing plate is simple in form and of small size so that a great number may be stored within a given space. The sheet may be made comparatively thin because the spacing flanges strengthen it transversely and the beads strengthen it longitudinally. The two beads extending from end to end of the device at its upper or lower edges, especially in the form illustrated, provide a strong and substantial printing device which is adapted to stand all ordinary strains of handling and use.

What I claim and desire to secure by Letters Patent is:

1. A printing plate consisting of a single sheet of metal having printing characters stamped up therefrom on one side, opposite edges of said sheet being bent to form spacing flanges, each spacing flange having a part extending from the sheet at substantially right angles thereto, and another part extending inwardly from the outer end of the first mentioned part in substantial parallelism with the plate and spaced therefrom, and the other opposite edges of the sheet between the spacing flanges being bent to form stiffening beads.

2. A printing plate consisting of a single sheet of metal having printing characters stamped up therefrom on one side, the opposite edges of said sheet being bent at substantially right angles to the sheet and thence inwardly to form spacing flanges, and the other opposite edges of the sheet between said spacing flanges being bent to form beads at the top and bottom of the sheet, and an index tab stamped wholly out of the sheet below the upper bead and bent to project above said bead.

JOSEPH S. DUNCAN.

Witnesses:

WM. O. BELT,
M. A. KIDDIE.