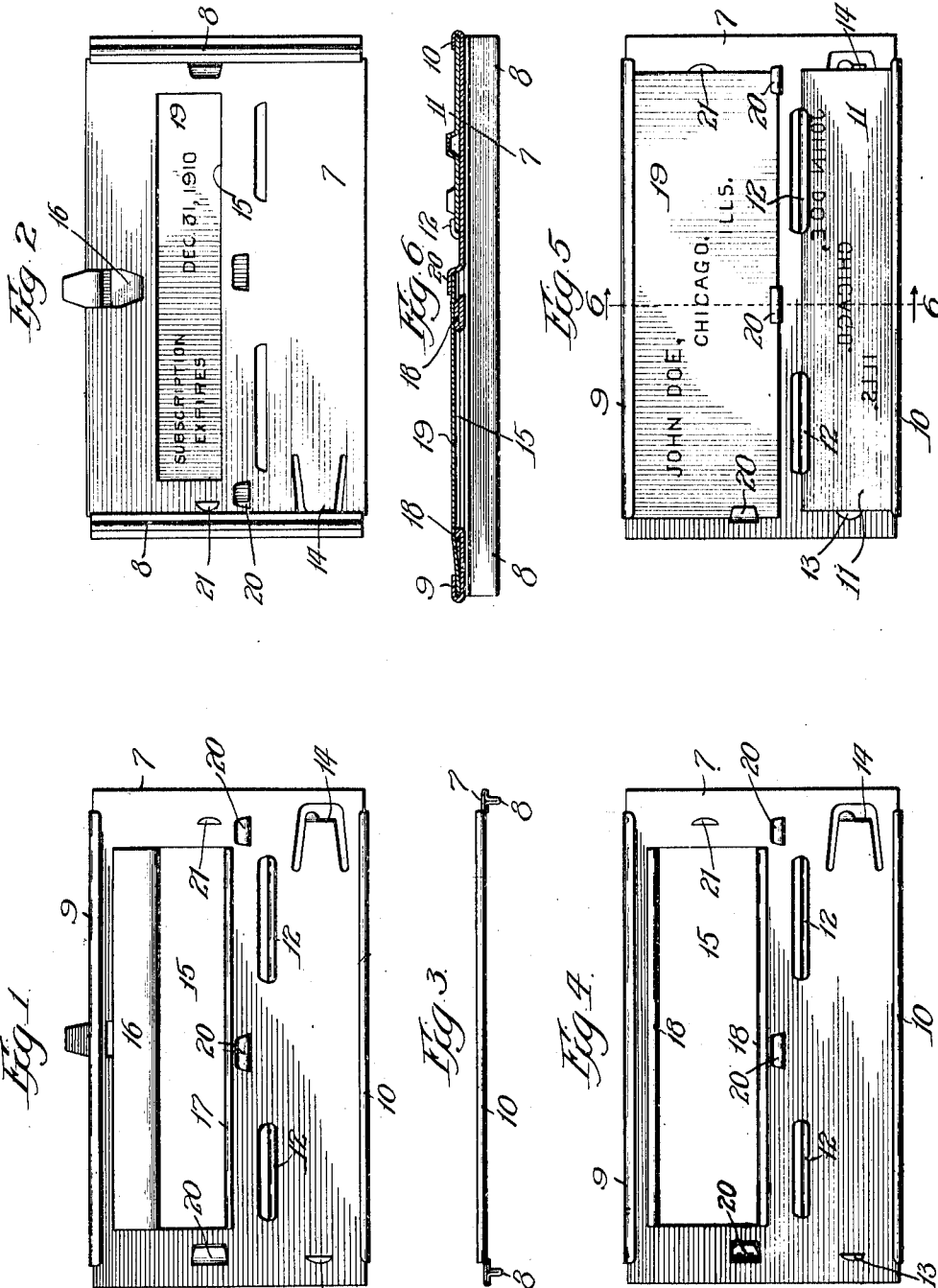


J. S. DUNCAN.
PRINTING DEVICE.
APPLICATION FILED SEPT. 29, 1910.

1,026,249.

Patented May 14, 1912.



Witnesses:
Geo. Chavious.
M. A. Kiddie

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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.

1,026,249.

Specification of Letters Patent.

Patented May 14, 1912.

Application filed September 29, 1910. Serial No. 584,419.

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 an information card carried by a frame, and adapted to be stored in accordance with a card index system or stacked in a pile.

The object of the invention is to construct the frame so that the back of the card is visible and can be used for information purposes and at the same time to strengthen the frame.

In the accompanying drawings illustrating the invention Figure 1 is a front view of the frame. Fig. 2 is a back view of the frame showing the card. Fig. 3 shows the lower edge of the frame of Fig. 1. Fig. 4 is a front view of the frame showing the invention differently embodied. Fig. 5 is also a front view of the frame with the card and printing plate thereon. Fig. 6 is a sectional view on the line 6-6 of Fig. 5.

Referring to the drawings, 7 is a frame which is provided at its ends with suitable spacing flanges 8 and at its top and bottom with beads 9 and 10. The printing plate 11 is detachably engaged with the bead 10 and lips or flanges 12 on the frame and is held in place against endwise movement by the stop 13 and spring lock 14. Various means may be employed for securing the plate in the frame and instead of a printing plate I may provide the frame with a holder having type set up therein in a manner familiar in the art.

The frame is provided with an opening 15 and the metal cut therefrom is preferably bent over on the front of the frame to provide a wide strengthening bead 16 and a bead 17, if the opening is comparatively narrow, as shown in Fig. 1, or to form two beads 18 if the opening is comparatively wide, as shown in Fig. 4. I prefer to utilize all of the metal cut from the frame to form the opening 15 to obtain the benefit of the strength and stiffness which

it affords but where the opening is wide some of the metal may have to be removed and only the narrow beads employed as shown in Fig. 4. It has been found that a frame having the opening 15 and strengthened at its edges by having the metal turned over thereon which is cut out to form the opening will be stronger and stiffer than the frame was before the opening was thus made.

The card 19 is arranged on the frame over the opening 15 and engaged with the bead 9 and lips 20 and held in place by the stop 21. The card, as well as the printing plate or holder, may be secured in place on the frame in any other suitable manner. The card is visible at the back of the frame through the opening 15 and hence the back of the card may be utilized to bear information the same as the front of the card. My improved frame thus makes the back of the card available for information purposes and at the same time the frame is strengthened and stiffened longitudinally to better withstand the handling and pressure to which it is subjected.

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

1. A printing device frame made out of a single sheet of metal and having means to hold a printing device and an information card thereon, a portion of the frame behind the card being cut on three sides and bent over upon the frame to leave an opening disclosing the back of the card and to strengthen and stiffen the frame, substantially as described.

2. A printing device frame made out of a single sheet of metal and having means to hold a printing device and an information card thereon, said frame having an opening therein to disclose the back of the card, parts of the frame cut out to form said opening being bent upward and downward respectively and against the front of the frame to form continuous strengthening and stiffening beads at the longitudinal edges of said opening, substantially as described.

JOSEPH S. DUNCAN.

Witnesses:

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