J. S. DUNCAN.

PRINTING DEVICE.

APPLICATION FILED DEC. 31, 1915.

1,307,119.

Patented June 17, 1919.

Fig. 1

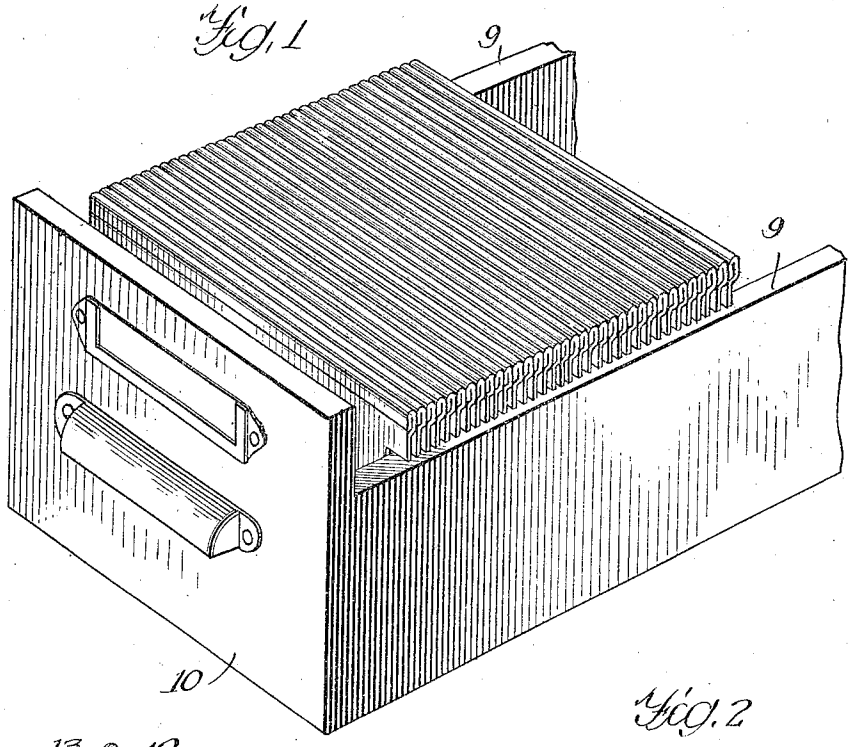


Fig. 2

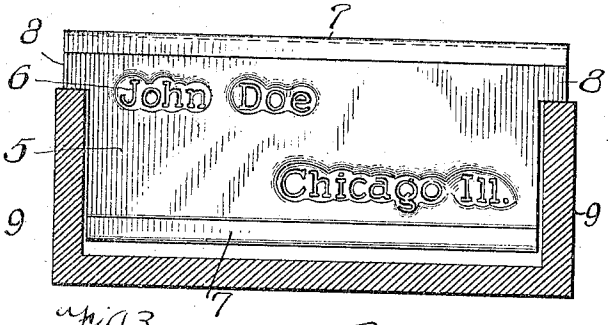


Fig. 4

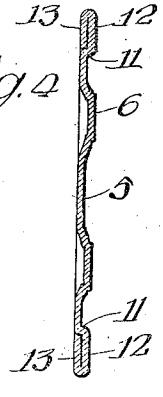
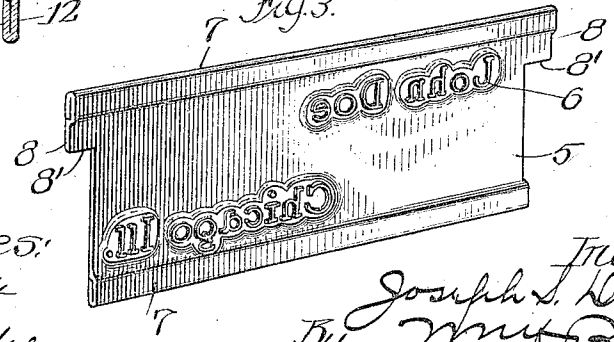


Fig. 3.



Witnesses:

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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.

1,307,119. Specification of Letters Patent. Patented June 17, 1919.

Application filed December 31, 1915. Serial No. 69,570.

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 certain new and useful Improvements in Printing Devices, of which the following is a specification.

This invention relates to that class of printing devices in which the printing characters are stamped up in relief on one face of a metal strip, as shown, for example, in my Patent No. 1,084,696, dated January 20, 1914, the devices being adapted to be run through printing machines for printing addresses and other desired information on envelops and the like.

The object of the invention is to provide the printing devices with means of simple but strong and substantial construction for engaging the sides of the tray or drawer in which the devices are stored to maintain the devices always in upright position whether or not a follower is employed in the tray.

And a further object of the invention is to improve the device shown in my Patent No. 1,084,696 by constructing the marginal portions which space the devices apart, when they are nested or stacked, to protect the printing faces of the type characters, so as to provide a substantially flat back to the device which facilitates handling and the passage of the device through the machine, and also enables a greater number of devices to be stored in a given space.

In the accompanying drawings illustrating a preferred embodiment of the invention—

Figure 1 is a perspective view showing a number of devices in an ordinary tray or drawer;

Fig. 2 is a transverse sectional view through the tray showing one of the printing devices in elevation;

Fig. 3 is a perspective view of the device showing the front side thereof;

Fig. 4 is a transverse sectional view through the printing device.

The printing device is preferably formed of a single strip of metal having a central printing portion 5 provided with printing characters 6 struck up therefrom, marginal spacing portions 7 and lateral extensions 8 at the upper corner of each end. These extensions project sufficiently to engage the upper edges of the sides 9 of the tray or drawer 10 in which the devices are stored, and they are also located in such relation to the lower edge of the device that when such extensions are engaged with the tray or drawer the lower edge of the device will be located above the bottom of the tray or drawer so that the device will be sustained in upright position in the tray or drawer by engagement of the extensions with the sides thereof. I prefer that the edges 8′ of the extensions be made parallel with the top and bottom edges of the device, forming right angle shoulders so that when engaged with the sides of the tray or drawer the device will be suspended evenly and freely within the tray or drawer, thus enabling it to be readily moved along the tray or inserted or removed as occasion may require.

The marginal spacing portion at each edge of the device is formed by bending the metal adjacent the printing portion first to form the shoulder 11 and then outwardly at 12 and back upon itself at 13, as shown in Fig. 4. The face of the part 12 is flat and lies in substantially the plane with the printing faces of the characters 6. The part 13 is pressed snugly against the part 12 and its outer face lies substantially in the plane with the back of the printing portion 5. Thus the back of the printing device is flat and smooth since the free edges of the parts 13 lie snugly against the shoulders 11, and the face of the printing device is also substantially smooth since the marginal spacing portions protect the printing characters thereon.

This construction provides marginal spacing portions which are sufficient to protect the printing characters but do not take up unnecessary space and which, at the same time, are compactly arranged and disposed so that they will not interlock with adjacent devices. The flat smooth back of the device greatly facilitates handling the device in the addressing or printing machine and at other times.

The spacing portion at the upper edge of the printing device extends throughout the extensions 8 and reinforces and strengthens them so that they will not be readily bent or broken. These extensions terminate within the planes of the outer faces of the side walls of the tray or drawer so as not to interfere with the operation of the tray or

drawer. For the same reasons the outer edges of these extensions are made at right angles to the top and bottom edges of the device.

I do not limit myself to the specific proportion and arrangement of parts illustrated in the drawings since this is simply one preferred embodiment of the invention and may be more or less changed in details of construction within the scope of the accompanying claims without departing from the spirit or sacrificing the advantages of the invention.

I claim:

1. A printing device having printing characters stamped up thereon, a marginal spacing portion at its upper edge, and a flat integral lateral extension at the upper corner of each end of said device projecting beyond that portion of the end below said extension, said extensions including the marginal spacing portion and having lower edges parallel with the upper and lower edges of the device.

2. A printing device formed of a single strip of metal having printing characters stamped up thereon and provided at its upper and at its lower edge with a marginal spacing portion formed by bending the metal upwardly to produce a shoulder and then outwardly and back snugly upon itself with the free edge abutting against said shoulder, the face of said marginal spacing portions lying in approximately the plane with the face of the type and the back of said printing device being substantially flat and smooth and lying in a single plane.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."