

No. 856,452.

PATENTED JUNE 11, 1907.

J. S. DUNCAN.
PRINTING DEVICE.
APPLICATION FILED APR. 9, 1906.

Fig. 1.

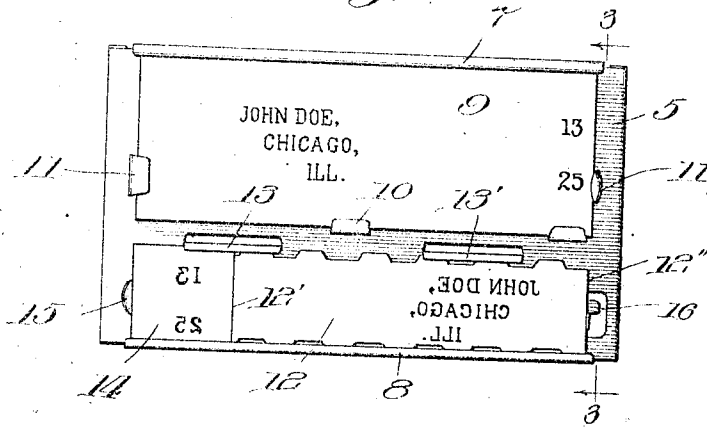


Fig. 2.

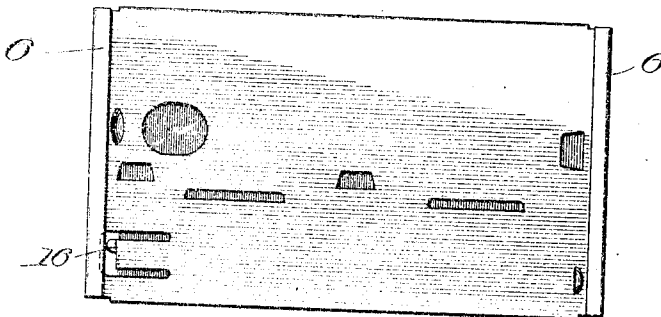


Fig. 3.

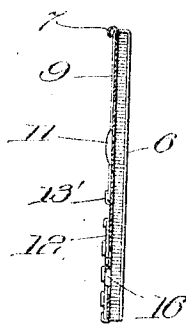
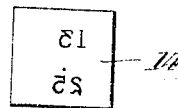


Fig. 4.



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.

No. 856,452.

Specification of Letters Patent.

Patented June 11, 1907.

Application filed April 9, 1906. Serial No. 310,637.

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 kind of printing device in which a printing plate is carried by a frame adapted to be stored in accordance with the regular card index system.

The devices are used principally for printing addresses and are generally employed by large corporations who send out many bills regularly to the same customers, such as gas companies, electric light companies and telephone companies. They are also largely used by publishers and very frequently there is printed along with the address some other matter indicating the ledger volume and page upon which the account associated with that particular address is kept or the date on which the subscription associated with that particular address will expire. These 25 examples will indicate in a general way the particular advantages of my present invention, but it will be understood that it can be used in any connection in which it is or may be made available.

Heretofore the figures have been stamped on the plate bearing the address to print the ledger volume and page or the subscription expiration as above mentioned and consequently it becomes necessary from time to time to prepare new plates when the account runs to a new volume or page of the ledger or when a new subscription has been made thus changing the expiration date.

It is the object of my present invention to reduce the expense of replacing printing plates under such conditions by providing two plates, one for the address and one for the additional matter, and constructing a holder for the plates which will permit the plate for printing this additional matter to be easily removed and replaced.

In the accompanying drawings Figure 1 is a front view of the invention, Fig. 2 is a back view. Fig. 3 is a sectional view on the line 3—3 of Fig. 1. Fig. 4 is a detail view of the supplemental plate.

The frame 5 is provided at its ends with spacing flanges 6 and at its top and bottom with beads 7 and 8. A card 9 is removably

held in place beneath the bead 7 and the lips 10 and it is prevented from moving endwise to the right by a stop 11. An address printing plate 12 is removably held in place below the card 9 and beneath the bead 8 and the lips 13, 13', these lips being separated from each other by a suitable distance. The supplemental printing plate 14 is arranged beneath the bead 8 and the lip 13 and between the end stop 15 and the end 12' of the address printing plate 12. A spring locking device 16 of suitable character is arranged to engage the other end 12'' of the address printing plate so that the supplemental printing plate and the address printing plate will be securely held in place beneath the bead 8 and lips 13, 13' and between the stop 15 and the spring lock 16.

In the drawings I have shown the supplemental printing plate 14 provided with the type numerals "13" indicating a ledger volume and "25" indicating a ledger page. When the account is extended over another page or to another volume the spring locking device is operated to release the address plate which is then shifted to the right until its left hand end is at or about the left hand end of the lip 13'. The distance between the lips 13 and 13' is greater than the length of the supplemental printing plate so that when this plate is moved to the right and out of engagement with the lip 13 it can be readily removed from the frame and replaced by a similar plate bearing thereon the proper type numerals. Then the address printing plate is slid back into place and the device is ready for use. The card bears an impression from the two printing plates for ready reference in a card index system and when a new supplemental plate is inserted in the frame it is desirable to make a new card but this can be avoided if desired by changing the numerals on the card with pen or pencil.

My present invention greatly reduces the cost of maintaining a system of this character for it will be understood that instead of it being necessary to provide a whole new plate the same result is accomplished by providing a new supplemental plate and the address plate can thus be used for many years until it is entirely worn out. For subscription lists a quantity of the supplemental plates can be prepared in advance to be used with subscription addresses as they come in.

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

A printing device comprising a frame, an address printing plate and a supplemental printing plate arranged end to end, means at the lower edge of the frame for holding the lower edge of said plates, and two separate lips on the frame to engage the upper edge of said plates, said supplemental printing plate

being shorter in length than the distance between said lips to permit the removal of said supplemental plate from the frame when it is slid to position between said lips.

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