

No. 881,385.

PATENTED MAR. 10, 1908.

J. S. DUNCAN.
PRINTING DEVICE.
APPLICATION FILED AUG. 9, 1907.

Fig. 1.

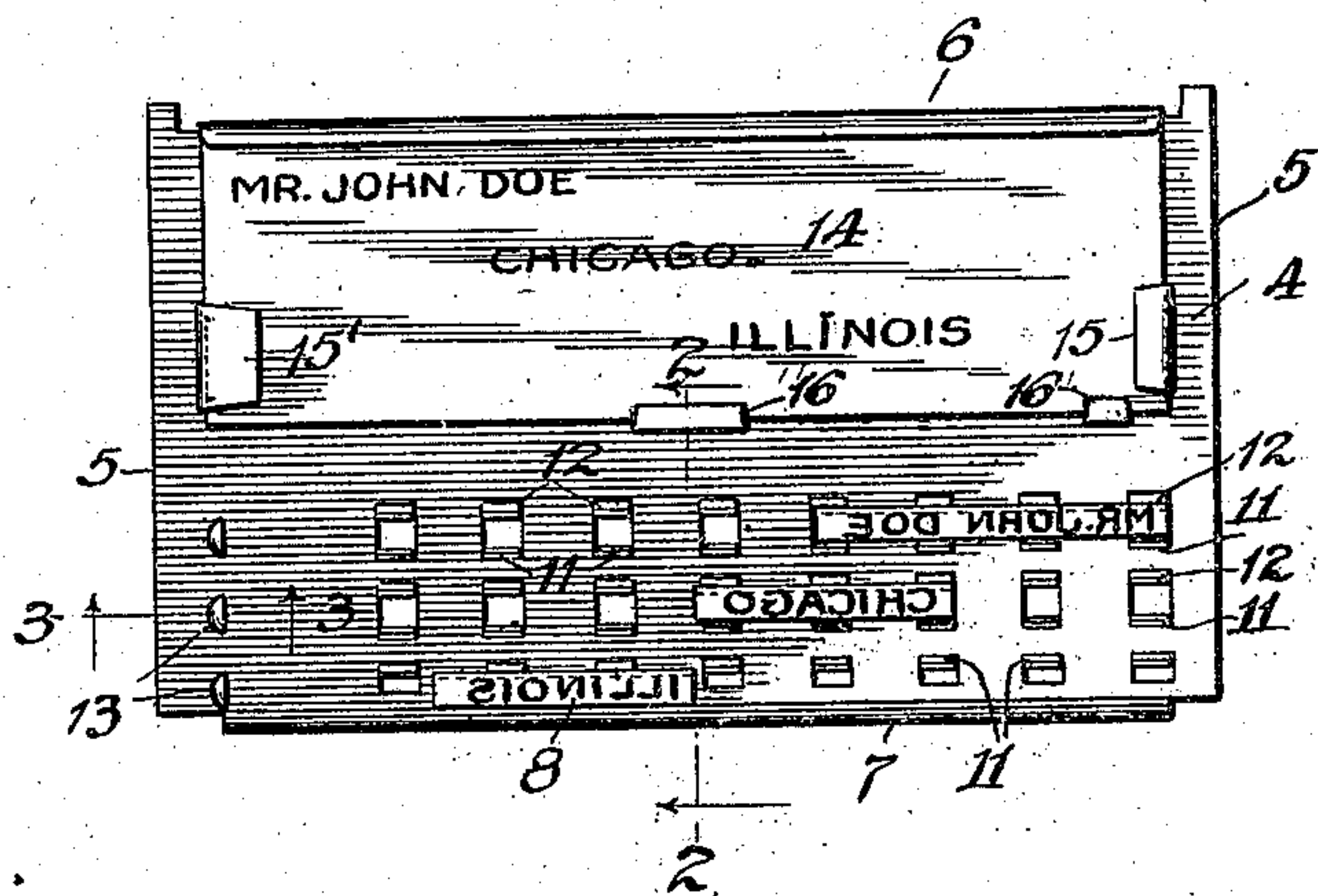


Fig. 2.

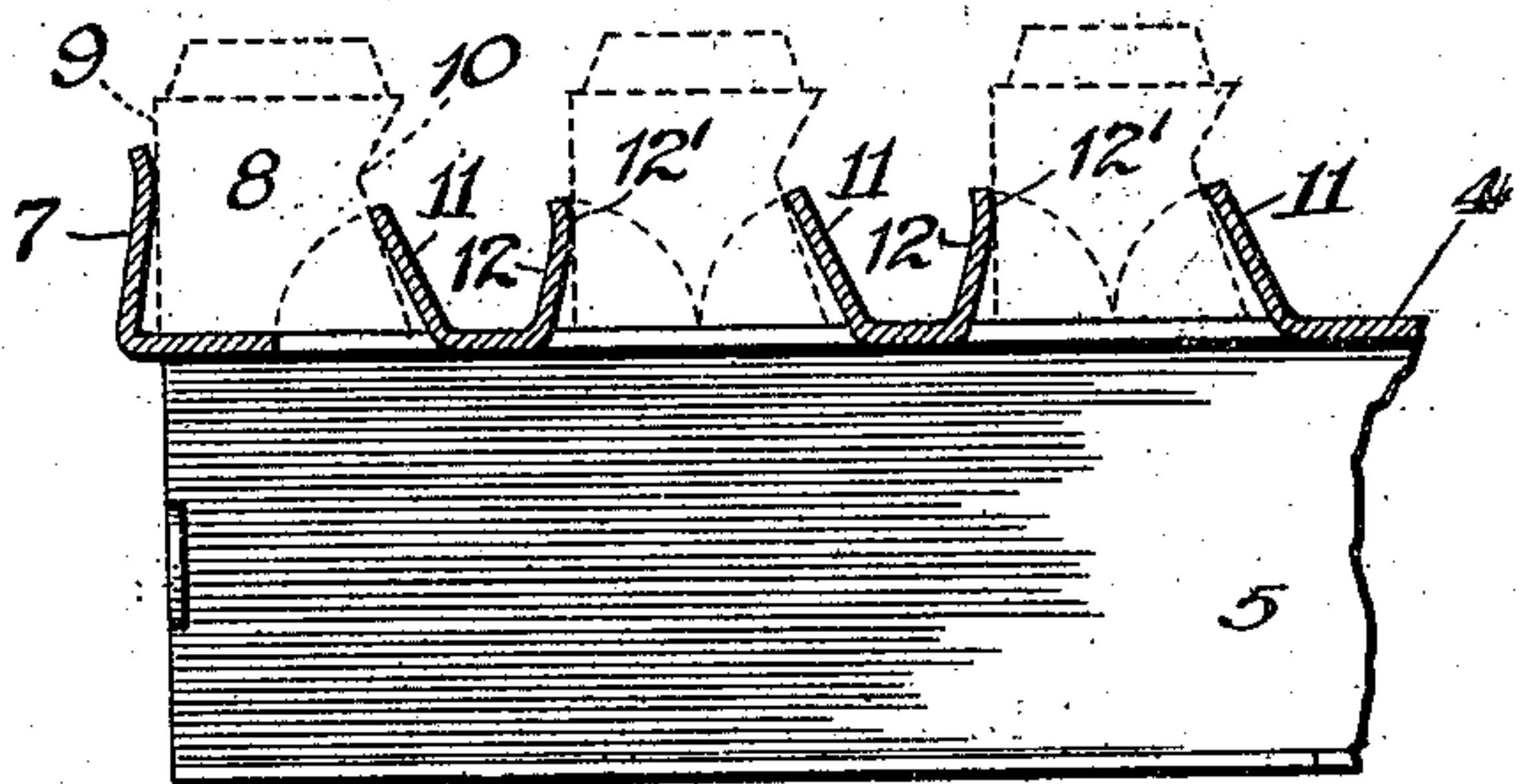
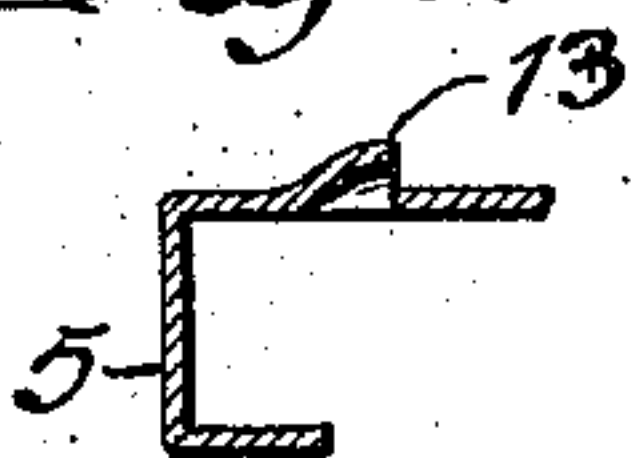


Fig. 3.



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.

No. 881,385.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed August 9, 1907. Serial No. 387,798.

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 printing devices of the kind more especially adapted for address printing machines and which may be arranged in accordance with a card index system.

The object of the invention is to provide a holder of simple and inexpensive construction adapted to receive and carry a plurality of type bars to print an address or other matter and a card bearing an impression of the address or other information.

In the accompanying drawing illustrating the invention Figure 1 is a plan view, Fig. 2 is an enlarged sectional view on the line 2—2 of Fig. 1. Fig. 3 is a detail sectional view on the line 3—3 of Fig. 1.

The holder comprises a metal frame 4 having at its ends and on the back thereof spacing flanges 5 which permit the holders to be stacked in a pile without contacting with the type faces. The upper edge of the frame is turned over to provide a bead 6 to strengthen the frame lengthwise and the lower edge is turned up to provide a flange 7. The frame may be made to hold any number of type bars and in the drawings I have shown a frame holding three type bars, which, of course, may vary in length as the address requires. Each type bar 8 has a flat side 9 and a recess 10 in its opposite side, the recess extending throughout the length of the bar. Lips 11 and 12 are stamped and pressed up from the frame in parallel lines to form grooves to receive the type bars. The lips 11 are inclined to engage the recess in the type bars and the flange 7 and lips 12 are also inclined to engage the flat side of the type bars. The upper end 12' of each lip 12 is preferably curved to form a smooth bearing for the flat side of the type bar. The flange 7 forms one side of the outer type bar groove on the frame and takes the place of a line of lips similar to the lips 12. The lips in each line are preferably located close together to accommodate type bars of va-

rious lengths and to enable the type bars to be located in any desired position on the frame and at the same time securely hold the type bars in place by frictional engagement of the lips with the bars. I prefer to provide a stop 13 at one end of each groove to prevent the type bars from slipping out of the grooves at that end of the frame. A card 14 may be arranged in the holder beneath the bead 6, end lips 15 and lips 11. This card may bear an imprint of the address and receive any other memoranda.

The printing device can be manufactured inexpensively and is light in weight because the type bars may be made long enough only for the line of type thereon and they are engaged directly with the frame, that is with the lips stamped and pressed up from the frame and the flange 7, instead of being held in a separate holder which is detachably secured on the frame, as has heretofore been practiced. The bars can be readily inserted in the type grooves and adjusted to proper position therein, and they can be as readily removed from the frame.

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

1. A printing device comprising a type bar holder consisting of a frame having lips thereon, said lips being stamped and pressed up from the frame in parallel lines to form a groove between the lines to receive a type bar, there being a plurality of said lips spaced apart in each line and the lips in each line being inclined inwardly to frictionally engage and hold the type bar.

2. The combination of a type bar having a longitudinal recess throughout its length and in one side thereof, a holder comprising a frame having lips stamped and pressed up from the frame in parallel lines to form a groove between the lines to receive a type bar, there being a plurality of said lips spaced apart in each line, one line of said lips being inclined to engage the recess in the type bar and the other line of said lips being inclined to engage the opposite side of said type bar.

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Witnesses:

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