July 17, 1928. 1,677,344

H. E. HUBBARD

ADDRESSING MACHINE

Filed Oct. 18, 1926 3 Sheets-Sheet 1

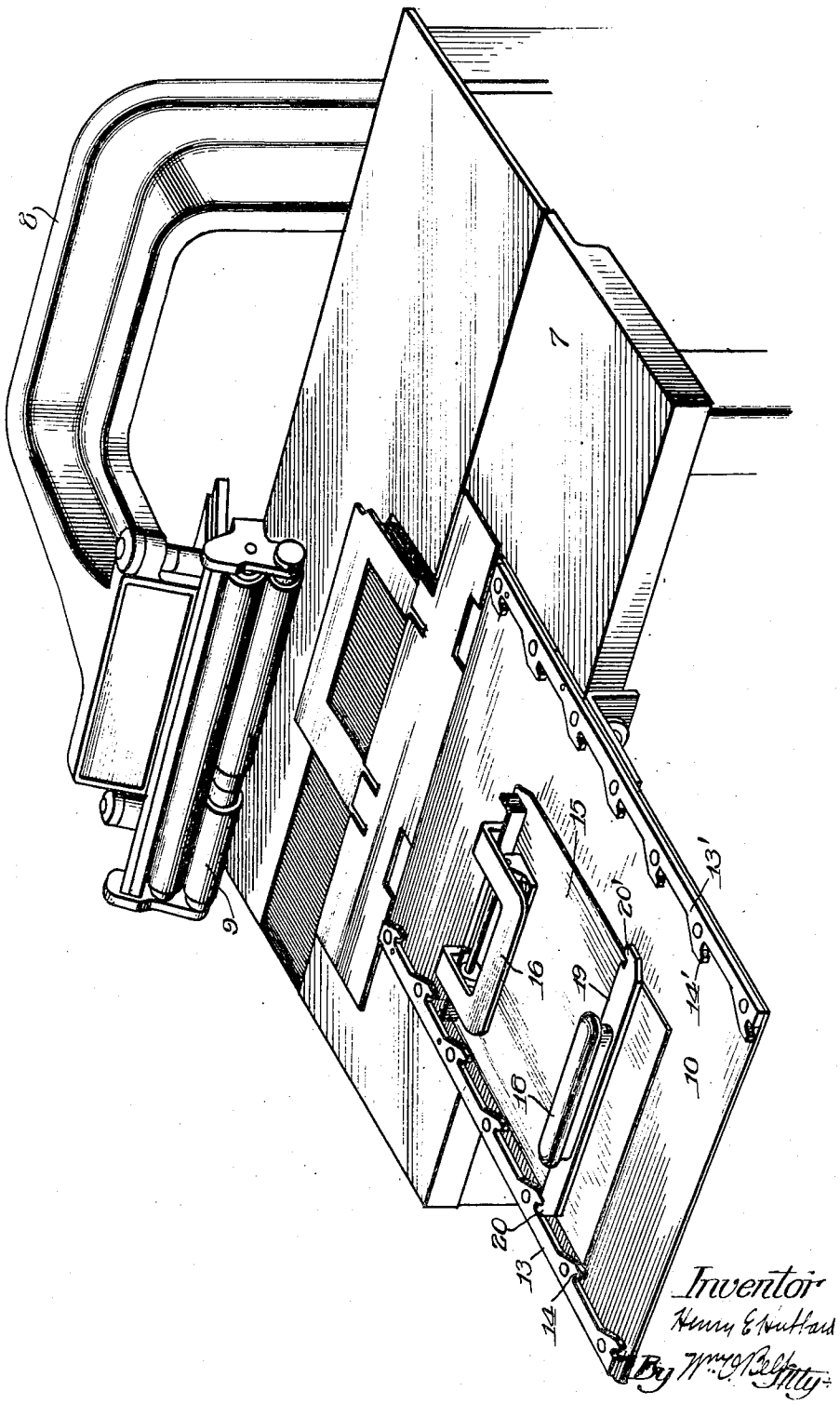


Fig. 1

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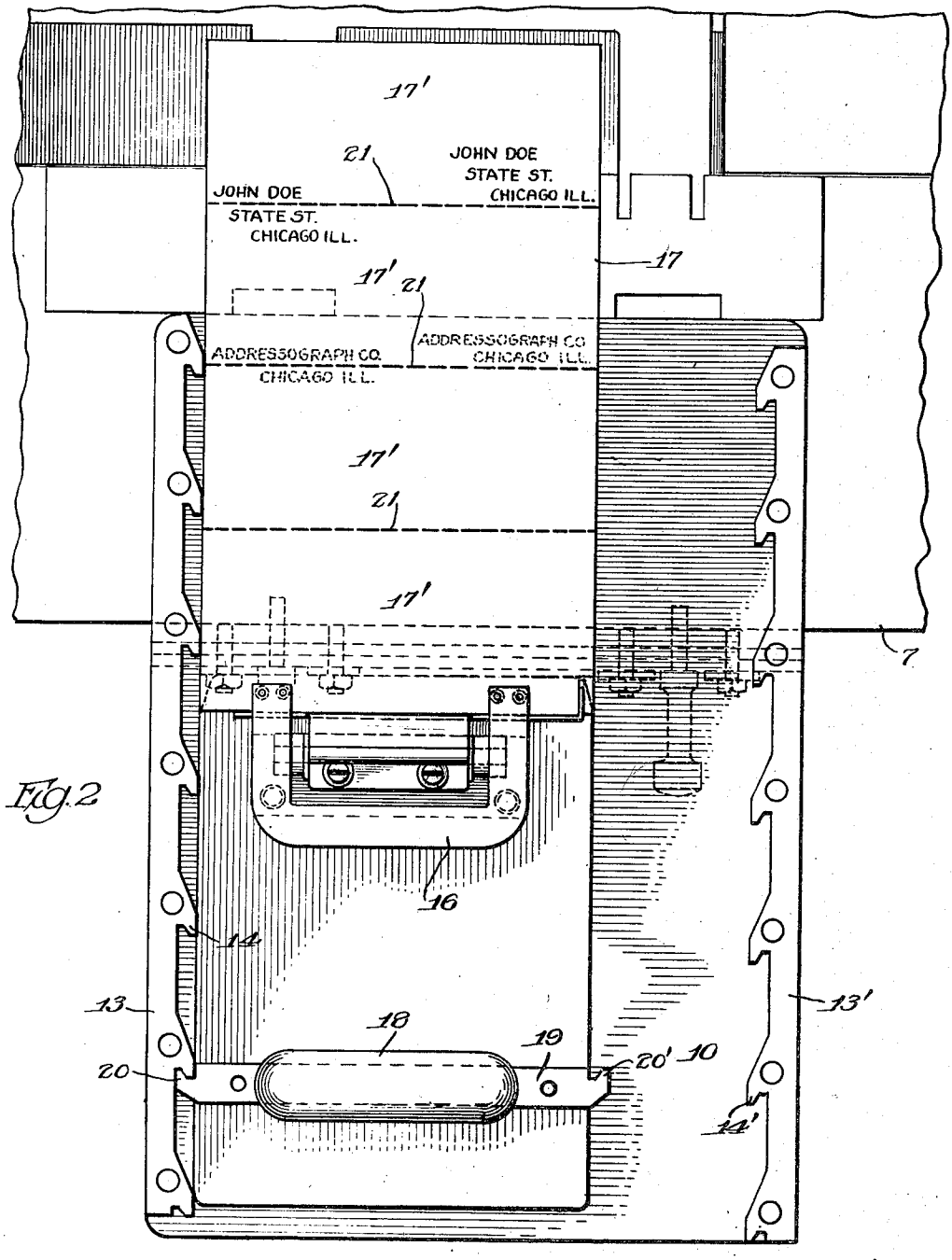


Fig. 2

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Fig. 3

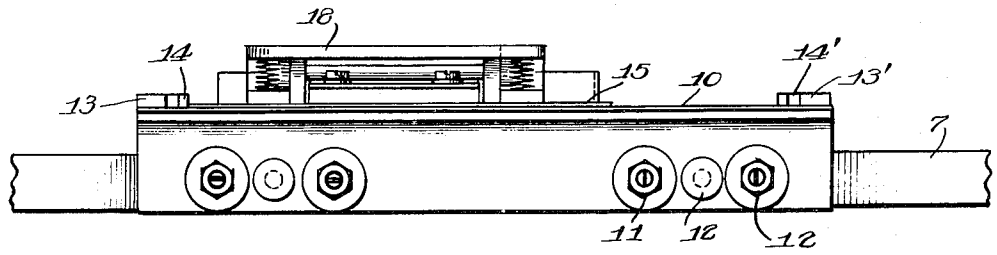


Fig. 4

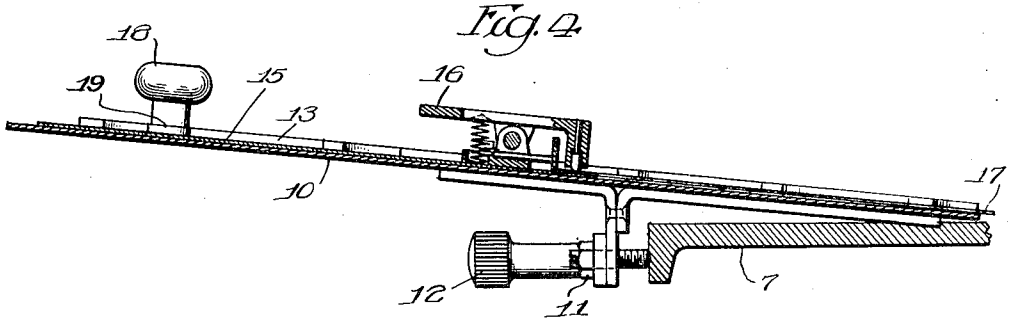


Fig. 5

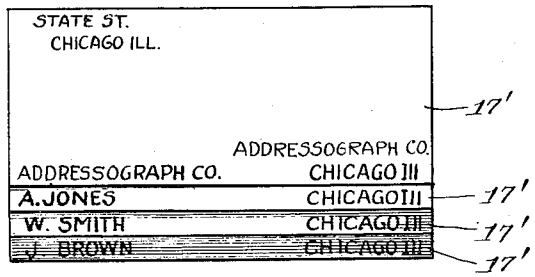
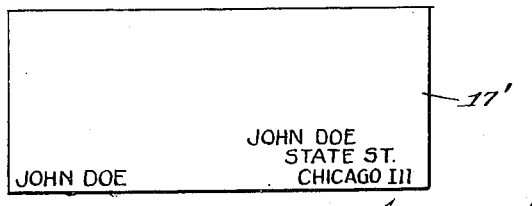


Fig. 6



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Patented July 17, 1928. 1,677,344

UNITED STATES PATENT OFFICE.

HENRY E. HUBBARD, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO ADDRESSOGRAPH COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE.

ADDRESSING MACHINE.

Application filed October 18, 1926. Serial No. 142,178.

This invention relates to addressing machines and its object is to provide the machine with an attachment whereby parts of the printing form may be printed in different positions on a card so that they will be readable in a line across the lower margin of the card and thus enable a plurality of cards to be arranged one upon the other with their lower printed margins visible for reference and other purposes.

In the accompanying drawings illustrating a selected embodiment of the invention.

Fig. 1 is a perspective view of the attachment with as much of the machine as is necessary to understand the invention.

Fig. 2 is a plan view showing the card blank in position for the second printing impression.

Fig. 3 is a front elevation of the attachment.

Fig. 4 is a longitudinal sectional view through the attachment.

Fig. 5 shows a plurality of printed cards in their usual arrangement.

Fig. 6 shows the first printed card with a street address.

Referring to the drawings, 7 is the bed, 8 the platen arm and 9 the roller platen of one type of machine to which my attachment may be applied. In this machine the printing devices bearing type characters, usually making an address form, are fed automatically through the machine beneath an ink ribbon through which they print, and provision is made to duplicate the impressions from each form. The impression position is immediately below the platen.

The attachment comprises a supporting plate 10 which is adjusted in an inclined position to the bed by adjusting bolts 11 and is secured to the bed by bolts 12. Back bars 13, 13′ are fastened on the plate at the side margins thereof and these bars have downwardly projecting teeth 14, 14′. The teeth on one bar are staggered with relation to the teeth on the other bar. A card plate 15 narrower than the supporting plate is arranged on the supporting plate and it is provided at its forward end with a spring clamp 16, to hold the card blank 17, and also with a handle 18. A cross piece 19 is fastened to the card plate and it projects beyond the side edges of the card plate and is provided with hook ends 20, 20′ shaped to engage the teeth 14, 14′.

The card blank comprises a plurality of cards 17′ separated by scored lines 21 which facilitate separation of the cards after printing.

In practice the card plate is arranged on the supporting plate with a card blank held by the clamp and each of the two forward cards thereof partly in printing position so that the first impression will be partly above and partly below the score line between these cards. Fig. 2 shows the arrangement of the card plate and card blank after the first impression has been made and with the parts in position for the second impression. It will be noted that the name is printed on the lower margin of the first card and adjacent its left end, and the city and State are printed on the upper margin of the second card. The city and State impressions thus made are immaterial to the present invention because they are covered by the next card in the final arrangement as shown in Fig. 5. After taking the first impression with the card plate at the right of the supporting plate and the hook 20′ engaging a tooth 14′ the card plate is shifted to the left, as shown in Fig. 2, with the hook 20 engaging a tooth 14, and the second impression is made. This will print the city and State on the lower margin of the first card adjacent the right end of the card and the name above it, but as in the case of the city and State in the first impression the name is immaterial in the second impression because it is covered by the next card in the final arrangement. In Fig. 6 I have shown how the first card would appear after both impressions from a form having also a street address. Then a new printing device is fed to printing position and the card plate is moved to the right and the hook 20′ engaged with the next tooth 14′ in advance of the tooth or rack 13′ previously engaged; and the operation is repeated until all the cards on the blank are printed, whereupon this blank is removed and separated into individual cards. Each card will have on its lower margin the name and city and State in a straight line across the card close to its lower edge so that the cards may be laid one upon the other with this printed

line exposed for reference or other purposes, as shown in Fig. 5. The cards are mounted in a suitable holder, forming no part of this invention, with the printed line of all plainly visible. The cards can be printed quickly in this way and no especial skill is necessary to move the card plate as required.

It may be necessary to change the construction and arrangement of parts of my invention to adapt it for different machines and card blanks, or for other purposes, and I reserve the right to make all changes which fall within the scope of the following claims:

I claim:

1. An attachment for addressing machines comprising a supporting plate, a card plate narrower than the supporting plate and movable unrestrictedly on the supporting plate between the side margins thereof, means for registering the card plate in a progressively advanced position on the supporting plate, and means on the card plate for holding a card blank.

2. An attachment for addressing machines comprising a supporting plate, a card plate narrower than the supporting plate and movable thereon, inwardly projecting means at the side edges of the supporting plate and outwardly projecting means at the side edges of the card plate for registering the card plate in a progressively advanced position on the supporting plate when moved back and forth sideways on the supporting plate, and means on the card plate for holding a card blank.

3. An attachment for addressing machines comprising a supporting plate, a card plate narrower than the supporting plate and movable thereon, rack bars at the side margins of the supporting plate, the teeth on said rack bars being relatively staggered, and means on the card plate for engaging said rack bars when the card plate is moved back and forth sideways on the supporting plate, and means on the card plate for holding a card blank.

4. An attachment for addressing machines comprising a supporting plate, a card plate narrower than the supporting plate and movable thereon, rack bars at the side margins of the supporting plate, the teeth on said rack bars being relatively staggered, hooks at the side edges of the card plate to engage said rack bars when the card plate is moved back and forth sideways on the supporting plate, and means on the card plate for holding a card blank.

5. An attachment for addressing machines comprising a supporting plate, a card plate narrower than the supporting plate and movable thereon, rack bars at the side margins of the supporting plate, the teeth on said rack bars being relatively staggered, a cross bar on the card plate, hooks on the ends of said cross bar projecting beyond the side edges of the card plate to engage said rack bars when the card plate is moved back and forth sideways on the supporting plate, and a clamp on the card plate in advance of the cross bar for holding a card blank.

HENRY E. HUBBARD.