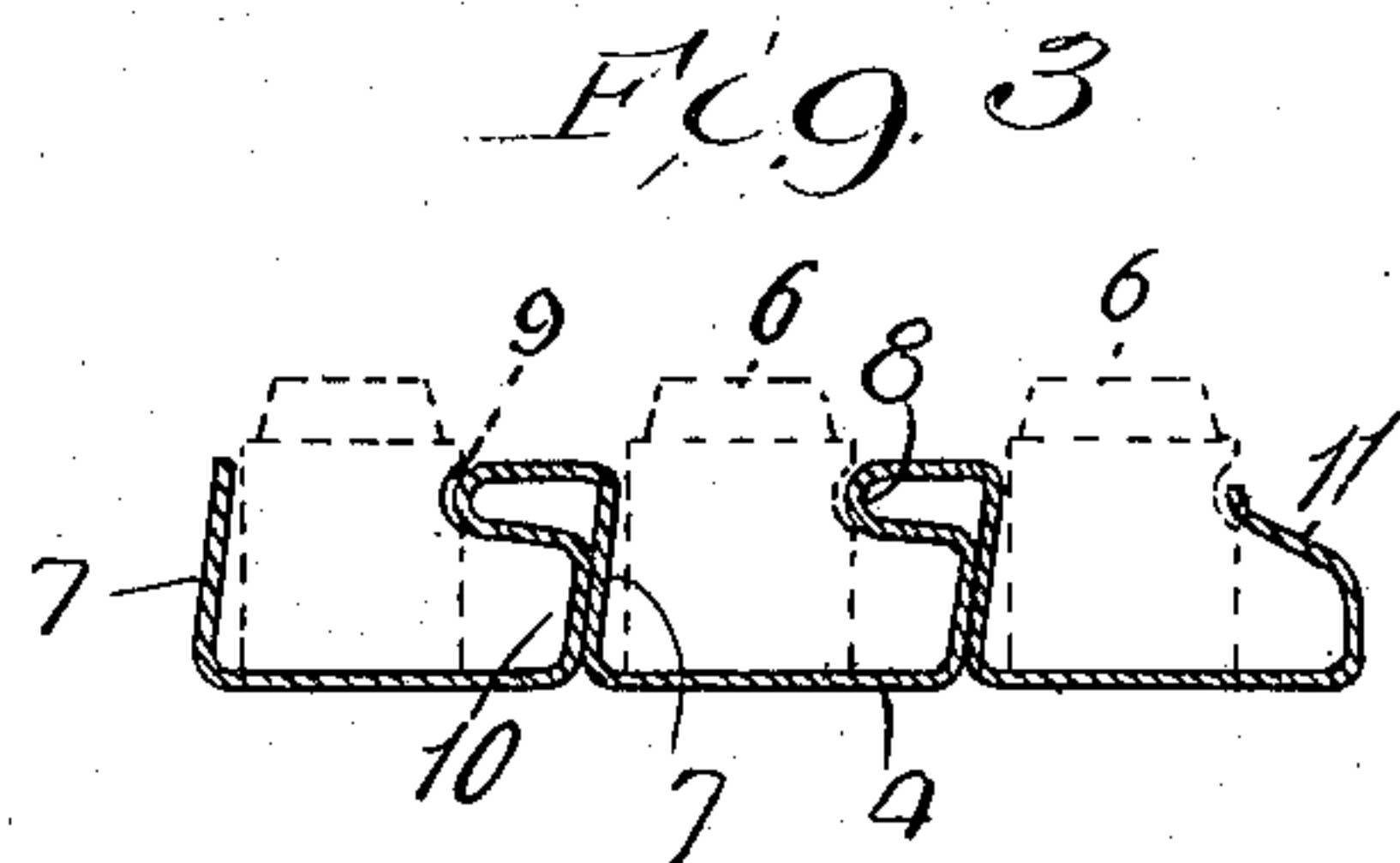
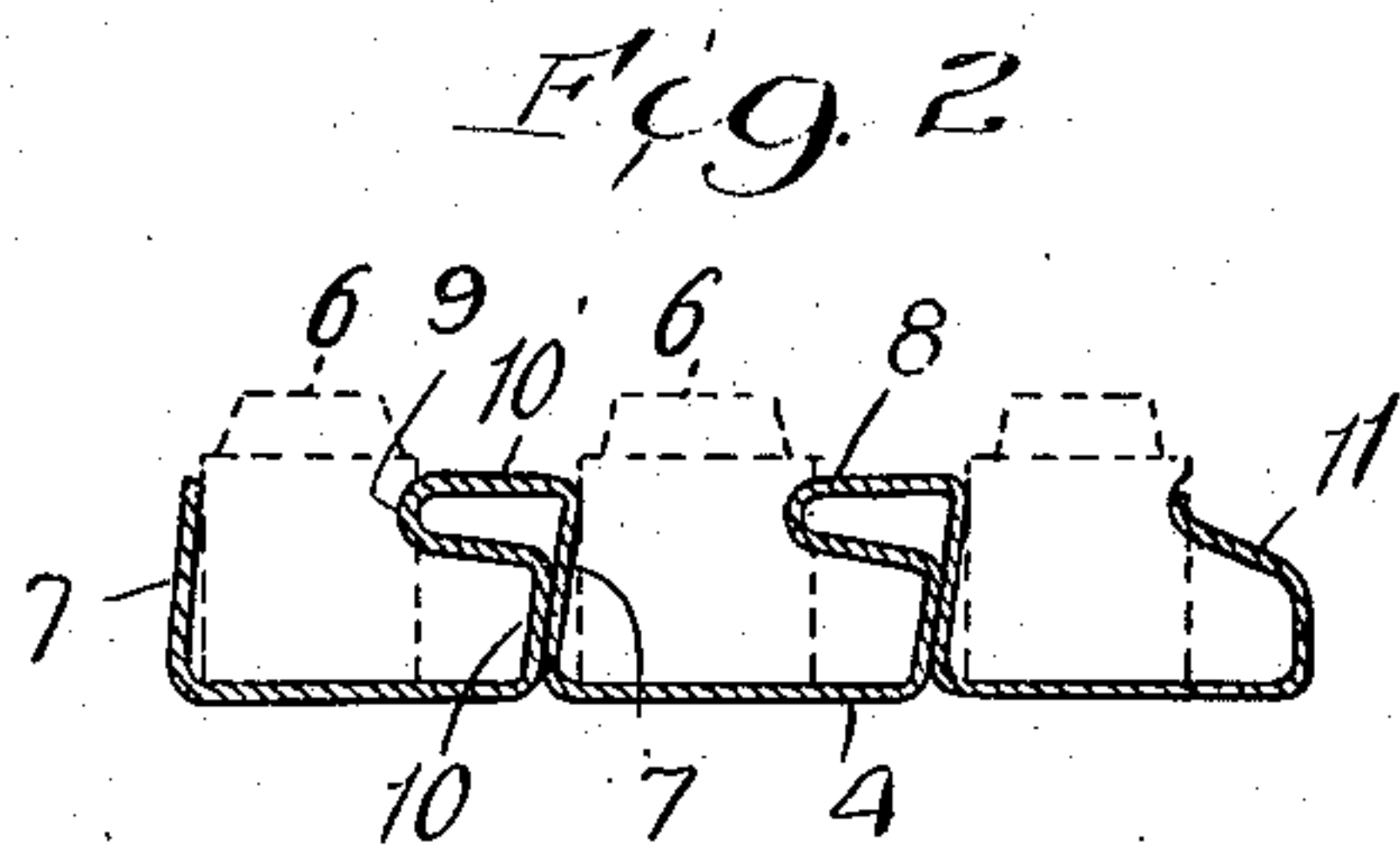
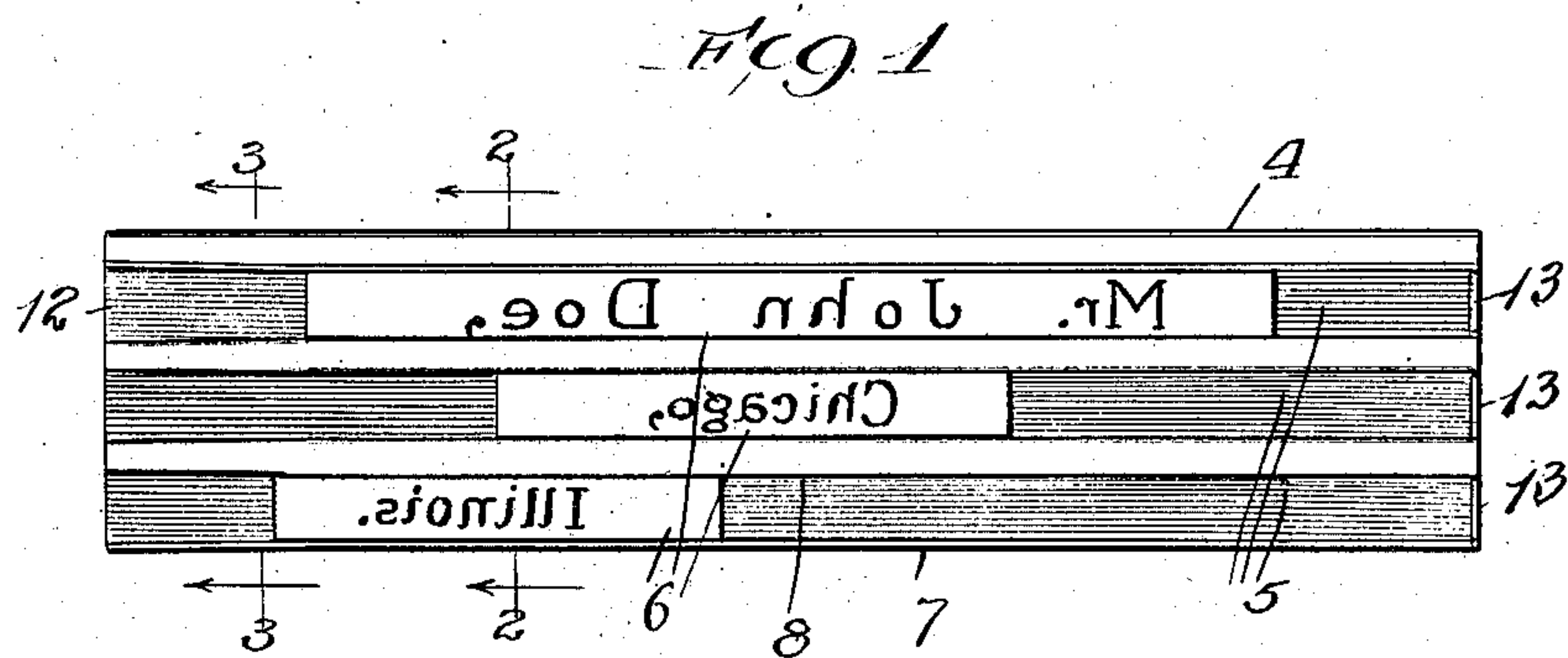


No. 881,467.

PATENTED MAR. 10, 1908.

J. S. DUNCAN.  
HOLDER FOR METAL TYPE BARS.  
APPLICATION FILED JULY 3, 1907.



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.

## HOLDER FOR METAL TYPE-BARS.

No. 881,467.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed July 3, 1907. Serial No. 381,980.

*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 Holders for Metal Type-Bars, of which the following is a specification.

The object of this invention is to provide a device of simple and inexpensive construction in which metal type bars of uniform cross section may be readily and easily inserted and which will securely hold the bars in their proper position.

The device may be provided with any number of grooves for holding the type bars and in the drawings I have illustrated the invention as embodied in a holder having three type grooves and referring to which

Figure 1 is a plan view of the holder with three type bars therein. Figs. 2 and 3 are sectional views on the lines 2—2 and 3—3 of Fig. 1 showing the type bars in broken lines to more clearly illustrate the invention.

The type holder 4 is stamped from a single sheet of metal and is provided with three type grooves 5 to accommodate the type bars 6. Each type groove in the holder has an inclined wall 7 to bear at its upper edge against one side of the bar and a projection 8 to bear against the other side of the bar, the type bar having a groove 9 near its face to receive the end of the projection. The projection 8 extends laterally from the upper edges of the wall 7 and the wall 10 and spaces the type bars apart. The wall 11 of the holder is shaped at its upper edge to enter the recesses in the bar and constitutes a projection for the purpose described. The wall 7 is sprung inwardly so that the type groove between the upper edge of said wall and the end of projection 8 is slightly less in width than the thickness of the type bar on a line through the recesses 9 so that when the type bar is inserted in the groove the upper part of the wall 7 will press the bar tightly against the projection 8 and securely hold the bar in the groove.

To facilitate the insertion of the type bar in the groove the sides thereof are slightly flared at the entrance end 12. The other

end of each groove is closed by a lip 13. The type bars are cast in uniform size except as to length which varies according to the number of type characters on the bar and the flared or enlarged end of the type groove permits the end of the type bar to be readily inserted in the groove after which the bar can be easily pushed in the groove to its proper location. In the case of an address of several lines the type bars will be arranged generally at different positions in the holder as shown in Fig. 1 and the construction is such that each bar will be securely held in its proper location during the use thereof for printing purposes.

The holders are intended for use on frames carrying also cards and forming part of a card index system. The card bears an impression of the address on the type bars. The type bars are made approximately square in cross section and they are not extended at their ends materially beyond the type characters thereon so that the weight of the type bars forming the address and the cost of preparing the same is materially less than the present cost of preparing addresses in galleys in the ordinary way. An address made of metal type bars in this manner is also less expensive than an address made of rubber type or rubber type bars or slugs. The type bars are not only securely held in proper place in the holder but they are constantly held in proper printing position, that is to say with their faces in the same plane to make a clear and uniform impression.

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

The combination of metal type bars each having a longitudinal groove in one side thereof near its face, a holder provided with a plurality of type grooves to receive said type bars and stamped from a single sheet of metal, each of said type grooves having one wall sprung inwardly to bear against one side of the type bar, and a projection on the upper end of the inwardly sprung wall of the adjacent type groove to fit in the grooves in the bar, the width of the type groove between the upper edge of said inwardly sprung wall and said projection for the

greater portion of the length of the type groove being slightly less than the thickness of the type bar on a line through the recess therein so that said inwardly sprung wall  
5 will press the type bar tightly against said projection and hold the type bar in the type groove, and the walls of said type groove at

the entrance end thereof being slightly flared to facilitate the insertion of the type bar.

JOSEPH S. DUNCAN.

Witnesses:

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