

Aug. 3, 1926.

1,595,001

A. C. DAVENPORT

LETTER FORMING DIE

Filed Feb. 4, 1925

Fig. 1.

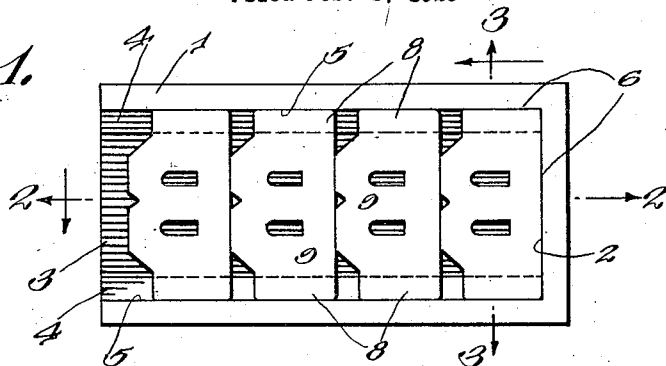


Fig. 2.

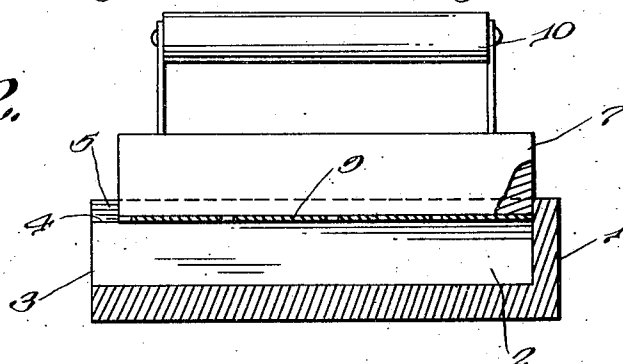


Fig. 3.

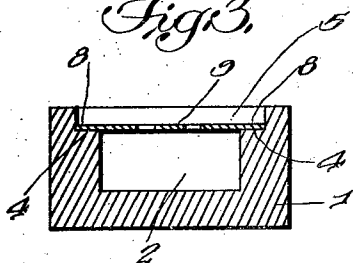


Fig. 4.

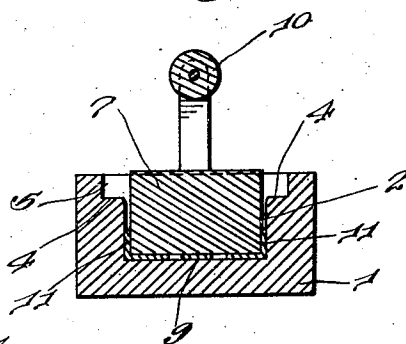
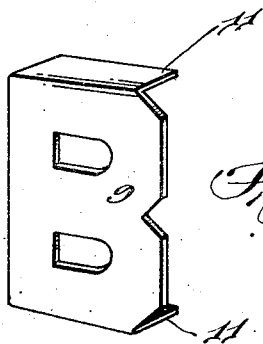


Fig. 5.



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ARTHUR C. DAVENPORT, OF CHICAGO, ILLINOIS.

LETTER-FORMING DIE.

Application filed February 4, 1925. Serial No. 6,901.

This invention relates to a letter forming die and has for its primary object the construction of a die whereby in a manual manner flanges may be formed on celluloid letters.

An object of the invention is the construction of a die whereby an inexperienced person may accurately form flanges on letters.

Besides the above my invention is distinguished in the use of a manually operated plunger that is heated and brought into such a relation with the base that the celluloid letters will be heated and forced in a direction to provide a double flange on each letter.

With these and other objects in view the invention will be better understood from the following description taken in connection with the accompanying drawings, wherein:

Fig. 1 is a top plan view of the base.

Fig. 2 is a vertical sectional view with the plunger in position to act upon the letters.

Fig. 3 is a sectional view on the line 3—3 of Fig. 1.

Fig. 4 is a cross sectional view illustrating the position of the plunger after the letters have been formed.

Fig. 5 is a perspective view of one of the letters when completed.

Again referring to the drawing illustrating one of the many constructions of my invention the numeral 1 designates the base having a groove 2 which is open at one end as illustrated at 3. Directly above the groove are arranged shoulders or supports 4 forming the bottom for the recesses 5. Particular attention is called to the accurate arrangement of the interior wall 6 of the base so that when the blanks are arranged in place as illustrated in Figure 1 they will

have an accurate position relative to the groove.

The plunger 7 of the required size to move into the groove and compensate for the thickness of the tabs 8 of the letters 9 has connected thereto a handle 10 so that the plunger may be manually operated. In the use of the device the plunger 7 is heated, then brought into position as illustrated in Fig. 2 so that upon downward pressure the plunger will force the letters into the groove to form the flanges 11 and as the letters are subjected to the heat of the iron it will readily be seen that the flanges are readily formed in an accurate manner. Upon the removal of the plunger it is only necessary to slide the letters along the groove toward the open end thereof where they may be received in any suitable receptacle. Of course the relative size of the parts may be changed at will and the plunger 7 mechanically operated and automatically heated and therefore, I do not desire to be limited in any manner except as set forth in the claim hereunto appended.

Having thus described my invention, what I claim is:

In forming means of the character described, a base member having a forming recess open at one end, said member being provided with shoulders contiguous to and extending outwardly from the lateral walls of the recess and being extended at its sides and one end above the shoulders, said shoulders being adapted to support blanks to be formed above the recess and the extended end and side portions acting to position the blanks accurately in relation to the recess, and a plunger operable in the base member and of less cross-sectional area than the cross-sectional area of the recess.

In testimony whereof I affix my signature.
ARTHUR C. DAVENPORT.