D. C. HUGHES.

TYPE.

APPLICATION FILED APR. 7, 1911.

997,390. Patented July 11, 1911.

Fig. 1.

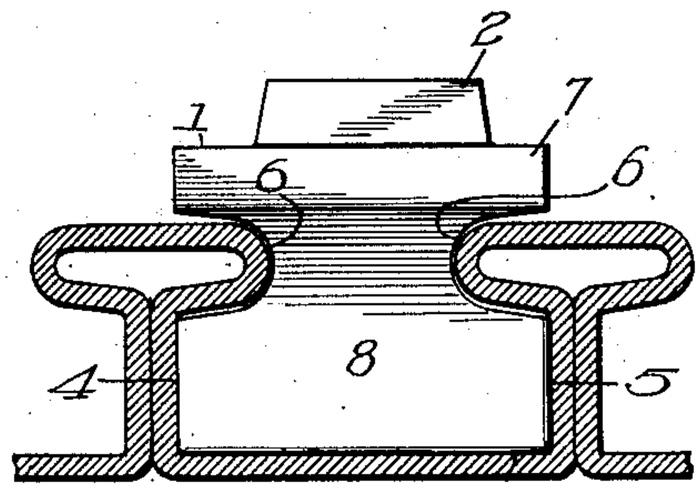


Fig. 2.

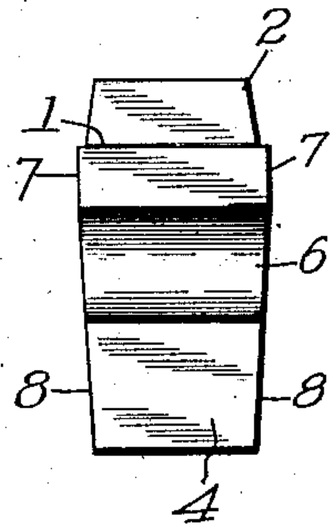


Fig. 3.

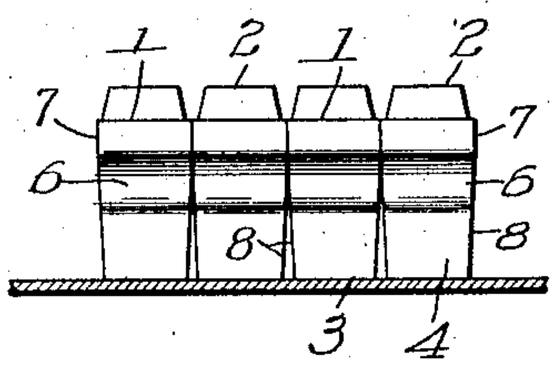


Fig. 4.

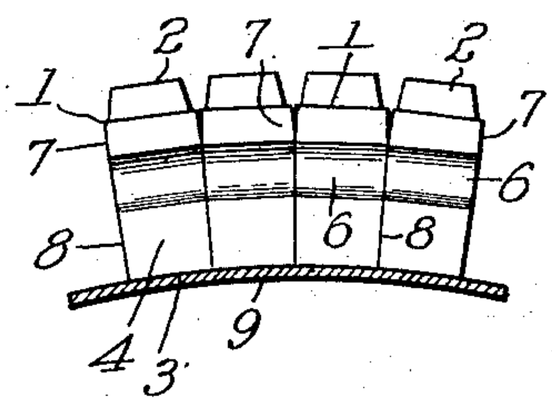
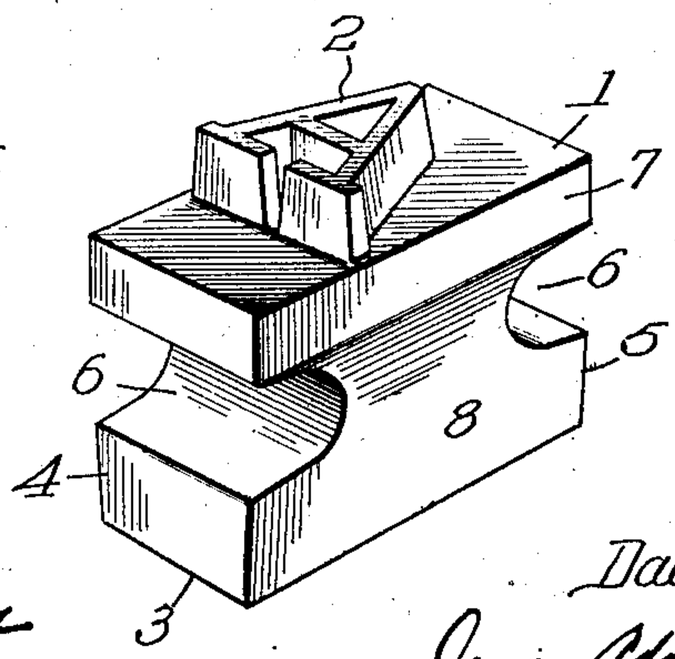


Fig. 5.



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TYPE.

997,390. Specification of Letters Patent. Patented July 11, 1911.

Application filed April 7, 1911. Serial No. 619,561.

To all whom it may concern:

Be it known that I, DAVYDD C. HUGHES, 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 Type, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to improvement in individual type adapted for use in machines for addressing envelops and for printing circular letters.

In my application Serial No. 588,564, filed October 22, 1910, I have shown and described a machine which is adapted for printing circular letters and for printing on each letter a separate address, and for addressing envelops. The printing is done through an inking ribbon so that the impression has the appearance of having been written on a typewriter. In this machine I provide a drum on which are circumferentially arranged type-receiving grooves in which the type for the letter are adapted to be inserted, and in addition thereto I provide a separate type plate provided with grooves in which the address of the letter is set up by individual type and which is adapted to be fed through the machine to print the address on the letter printed from the type of the type drum. The type plate and the type drum are both provided with T-shaped ribs to form type-receiving slots.

It is the object of my present invention to provide an individual type which may be used in connection with this machine.

In the accompanying drawings I have illustrated the type of my invention.

In said drawing,—Figure 1 is a side elevation of the type of my improvement, showing the type held in position in an addressing plate; Fig. 2 is an end elevation of the type; Fig. 3 is an end elevation of a number of type, showing their arrangement in a type plate; Fig. 4 is an end elevation of a number of type showing their arrangement in a type-receiving drum; and Fig. 5 is a perspective view of the type.

This type is formed of the usual type material and the face 1 thereof has integrally formed thereon a type character 2. The general appearance of this character is that of the type characters of a typewriting machine, so that the impression made thereby will closely resemble the impression made by a typewriting machine. The base of the type is flat and is narrower, as shown at 3, than the face, although it is just as long. The two edges 4 and 5 of the type are parallel and form right angles to the top and base. These two edges have formed therein channels 6 adapted to fit the lateral holding flanges of the type plate or of the type drum to prevent the type from falling out of position. The two sides of the type are parallel for a short distance down from the face and form right angles with the face, as at 7, and these vertical or straight portions preferably stop at the tops of the channels 6 and from this point down the sides taper inwardly, as at 8, toward the bottom.

In inserting the type in the peripheral grooves of the drum it will be noted that the inclined sides fit together as illustrated in Fig. 4 of the drawing and the flat base rests on the drum 9, whereby the type are supported and closely fit together in the drum. It is particularly advantageous to have the sides inclined as shown for use in the drum, as the tight fit between the sides of the type and the flat base properly supports the type in position so that the entire impression surface of the character will make an impression. If the type did not have the flat base and if the sides were not inclined, the type would have a tendency to rock or tilt, whereby one portion of the impression surface would give a deeper impression than another portion.

The vertical flattened portion 7 of the sides is particularly advantageous when the type is used in a type plate. This flattened portion gives a bearing surface between the type and assists in holding them against tilting in much the same manner as the inclined side portions hold the type in the drum.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

As a new article of manufacture, an individual type having a flat base and having

channels formed in its opposite edges parallel with the face, a raised impression character integrally formed on the face, and the sides of the type being parallel to each other and at right angles to the face to substantially the top of the channels, and being inclined inwardly from this point to the base.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

DAVYDD C. HUGHES.

Witnesses:

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W. PERRY HAHN.