

H. S. FOLGER.
RUBBER TYPE BASE.
APPLICATION FILED MAY 13, 1909.

975,344.

Patented Nov. 8, 1910.

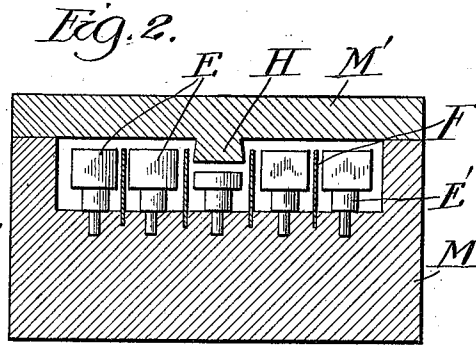
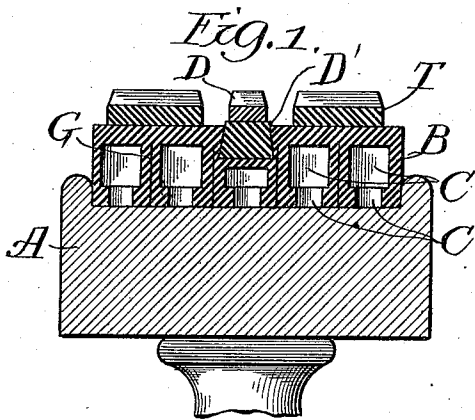


Fig. 3.

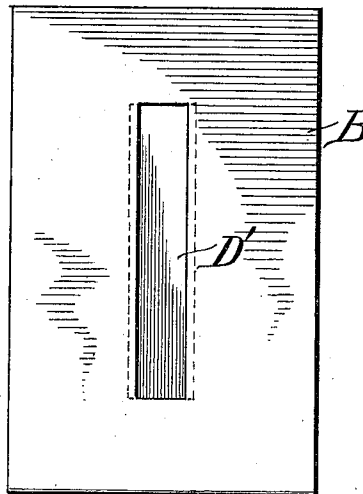
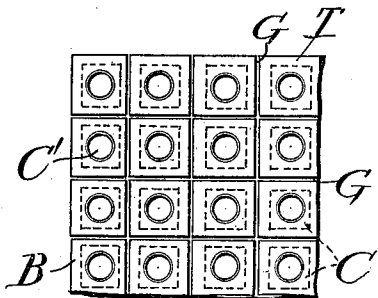


Fig. 4.



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RUBBER TYPE-BASE.

975,344.

Specification of Letters Patent.

Patented Nov. 8, 1910.

Application filed May 13, 1909. Serial No. 495,648.

To all whom it may concern:

Be it known that I, HARRY S. FOLGER, a citizen of the United States of America, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Rubber Type-Bases, of which the following is a specification.

My invention relates to yieldable bases for rubber type.

In patent to Buck No. 483,343, of September 27, 1892, is shown a form of base made of rubber having the lower portions recessed so as to form chambers within the base body. As shown in the said patent, there is a very small or narrow space or surface for securing the base to the holder.

One of the objects of my invention is to provide a base with similar recesses or chambers, and at the same time provide larger surfaces by which the base itself may be secured to the handle on which it is fastened.

Another object is to form in the opposite side of the base a recess made on the same principle for the date line. While a third object is to make severing grooves in the base in such a way that the base may be made of any desired size by cutting it along these grooves and at the same time not having the severing interfere or cut into any of the recesses or chambers which make the base a more yielding one than a solid body of rubber.

In the accompanying drawings,—Figure 1 is a transverse section on an enlarged scale showing a base of this kind secured to an ordinary holder; Fig. 2 is a transverse section of the mold in which the base is made. Fig. 3 is a plan of the top of the base, and Fig. 4 is a plan of a portion of the bottom of the base made according to this invention.

In the said drawings, A represents the holder for an ordinary hand stamp and B the base to which type T are secured. In the center of the base B is a removable date line D, which sets into a recess shown at D¹ in Fig. 3. The base B has within it a series of chambers C which have openings C¹ extending to the lower face of the base. The chamber C is larger than the opening C¹ and represents what would be an ordinary core. These chambers C are square or rectangular in form and the opening C¹ is preferably round. The chambers C are arranged rectangulargly within the body of the

base B, as shown in Fig. 4, and crossing each other are severing grooves G. These grooves are molded in the base at the time that it is formed so that in severing a sheet containing a large number of chambers C, it is only necessary to cut a small portion of the base.

The base is made of rubber or other elastic material and is formed in a mold, such as is shown in Fig. 2. In this mold are a series of pins E having square heads, the heads being secured to the lower portion of the mold body M. These pins are turned down just below the head, so that the head is larger than the body adjacent to the face end, this lower portion being represented at E¹. Arranged between the pins E are a series of plates F, which are thin, and which extend to substantially the same height as the pins E. On the cover M¹ of the mold is a dove-tailed piece H secured at a convenient point, which dove-tailed piece projects inwardly, and under this dove-tailed piece the pin H is made shorter so as to leave a space for rubber between the dove-tail H, and the pin E, which is directly beneath it.

The mold having been closed in the manner shown in Fig. 2, melted rubber is forced into the mold and fills the entire space not occupied by the pins E, the separating plates F and the dove-tailed piece H. When the rubber is set the cover M¹ is removed. The yielding character of the rubber permits the dove-tailed piece H to be withdrawn from the base body which is thus molded so as to leave the recess D¹ of Fig. 3. The sheet which constitutes the base is then removed from the pins E by pulling it upward, the yielding or elastic quality of the rubber surrounding the part E¹ permits that part to be drawn from the head of the pin E.

By reason of the elastic quality of the rubber which constitutes the base B, the chamber C may be larger than the opening C¹ in effect giving a construction which represents the ordinary coring process in a casting. The smaller size of the openings C¹ relatively to the chamber C leaves a comparatively larger foot in the bottom of the base B so that it may be readily secured or cemented to the handle A.

What I claim is:

1. A cushion for a type base consisting of

a sheet having a series of small openings in one side, which openings are expanded into enlarged chambers within the sheet, and said sheet having a dove-tailed recess molded in the side opposite said small openings.

2. A cushion for a type base consisting of an integral sheet of rubber having small openings in one face, which openings communicate with enlarged inner chambers, and

having a type holding recess in the other face.

Signed at Chicago, Ill., this 8th day of May, 1909.

HARRY S. FOLGER.

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