A. B. JONES.

SELF FEED LETTERING STAMP PAD.

APPLICATION FILED AUG. 22, 1921.

1,408,207. Patented Feb. 28, 1922.

2 SHEETS—SHEET 1.

Fig. 1.

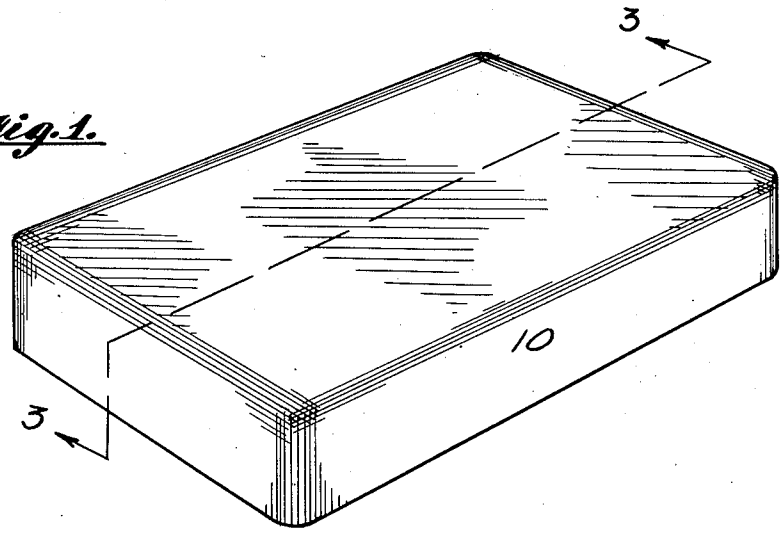


Fig. 2.

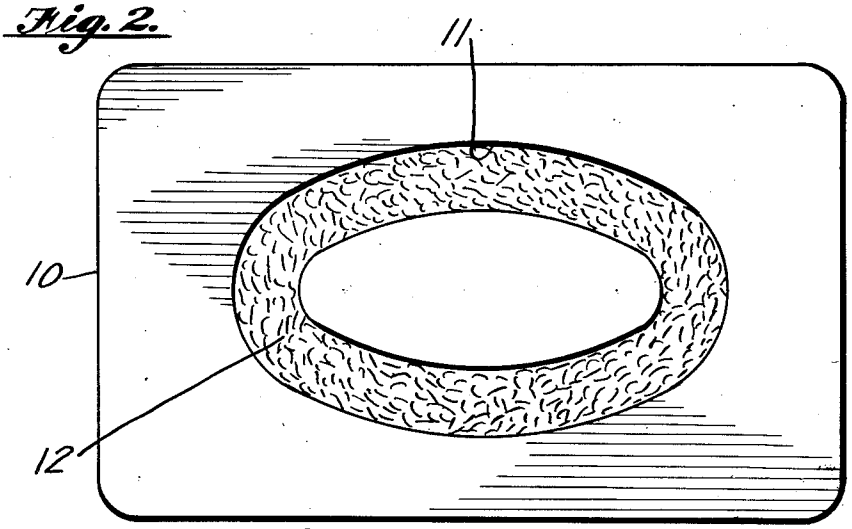


Fig. 3.

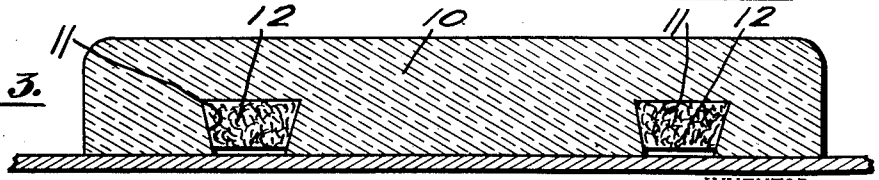
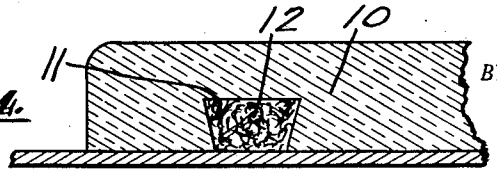


Fig. 4.



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2 SHEETS—SHEET 2.

Fig. 5.

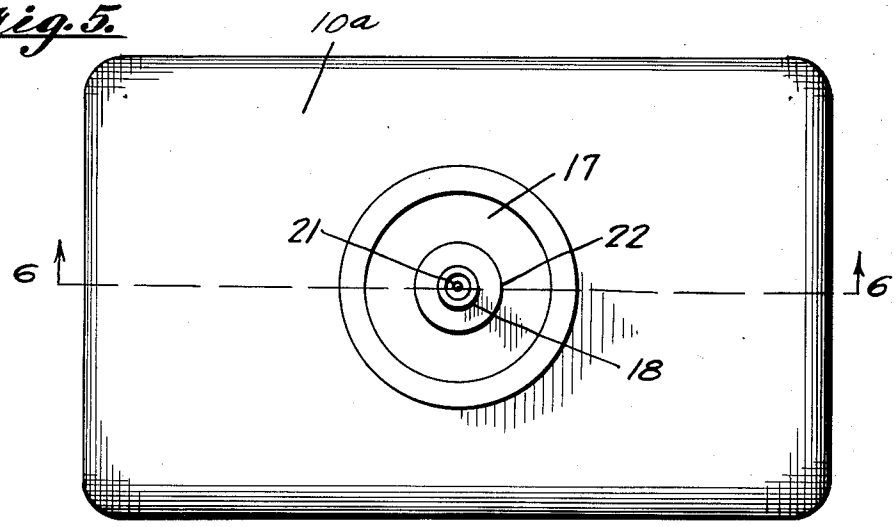
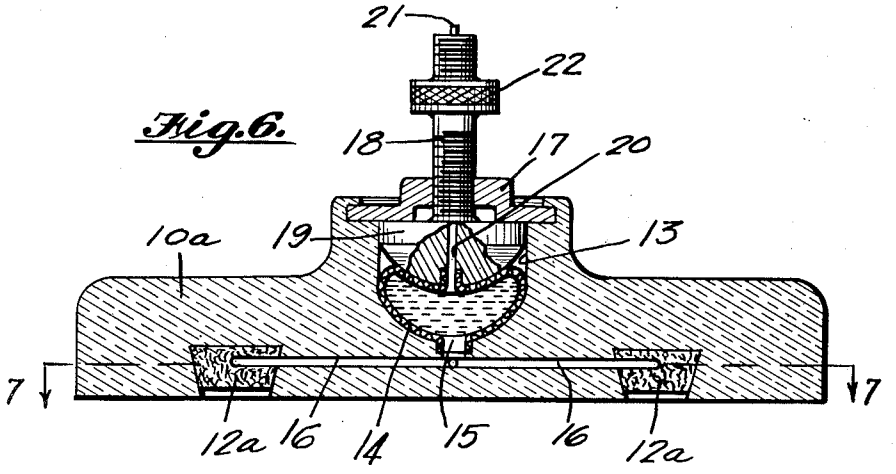


Fig. 6.



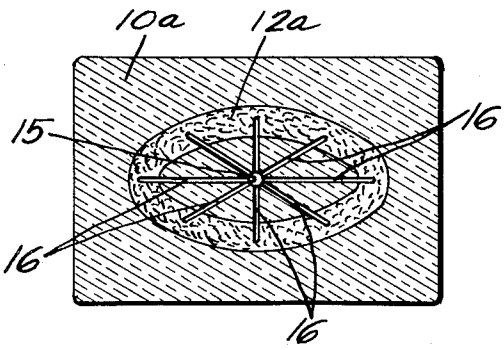


Fig. 7.

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ALBERT B. JONES, OF LOS ANGELES, CALIFORNIA.

SELF-FEED LETTERING-STAMP PAD.

1,408,207. Specification of Letters Patent. Patented Feb. 28, 1922.

Application filed August 22, 1921. Serial No. 494,315.

To all whom it may concern:

Be it known that I, ALBERT B. JONES, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Self-Feed Lettering-Stamp Pads, of which the following is a specification.

My invention relates generally to the art of printing, and more particularly to a printing element in the nature of a stamp or impression pad that is provided with an ink applying member that is adapted to make an impression upon the surface to which the pad is applied.

The principal objects of my invention are to provide a relatively simple and inexpensive stamp or impression pad by means of which letters, figures and similar characters may be easily and quickly printed upon a surface; to provide a printing element having an absorbent ink-carrying member embedded in its under surface to form the body of the printing or impression member of rubber or analogous elastic material so as to facilitate the printing operation; to provide the printing or impression member with means for maintaining a constant supply of ink to the absorbent ink applying member; and further, to provide a printing or impression member that may be very conveniently manipulated, and which will be very effective in performing its intended functions.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will be hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of a printing member of my improved construction.

Fig. 2 is a view looking against the under side of the printing member and showing the absorbent ink applying element positioned in said member.

Fig. 3 is a cross section taken on the line 3—3 of Fig. 1.

Fig. 4 is a detail cross section showing the body of the printing member compressed so as to force the under face of the absorbent ink applying element into contact with the surface that is being printed upon.

Fig. 5 is a top plan view of a modified form of my improved printing member.

Fig. 6 is a cross section taken on the line 6—6 of Fig. 5.

Fig. 7 is a horizontal section on a reduced scale, and which section is taken on the line 7—7 of Fig. 6.

Referring by numerals to the accompanying drawings, and more particularly to the construction illustrated in Figs. 1 to 4, inclusive, 10 designates a substantially rectangular block or body of rubber or analogous elastic material in the under side of which is formed a groove 11 having the shape of the character that is to be printed, and said groove being preferably dove-tail shape in cross section. Positioned in said groove is a body 12 of absorbent material such as felt, and which is adapted to receive and retain in moist condition printing ink or the like. The under surface of the absorbent body 12 is slightly inset with respect to the under surface of the elastic body 10, so that in performing the printing operation sufficient pressure must be applied to the top of body 10 to compress said body and move the under surface of the ink carrying pad 12 into contact with the surface to which the character is being applied (see Fig. 4). The printing or impression members may be made in various sizes and they may be used individually, and the pressure necessary to produce an impression may be applied by the hand, or a number of the blocks may be set up and locked in a suitable form in order to print the desired characters.

In the modified construction illustrated in Figs. 5 and 7 inclusive, an elastic block 10^a is provided in its under side with an absorbent ink-carrying member 12^a and formed in the upper portion of the body 10^a is a pocket or recess 13 that receives a collapsible receptacle 14, preferably of rubber, and which contains a supply of ink. The lower end of this collapsible ink container communicates with a short tubular member 15, from the lower end of which leads outwardly through the lower portion of body 10^a a series of ink distributing tubes 16, the outer ends of which terminate at various points in the absorbent member 12^a. Located on top of body 10^a, above the recess 13, is a plate 17, through which passes the lower portion of a

screw threaded shank 18, and carried by the lower end of the latter, and arranged within the upper portion of recess 13 is a head 19 that bears directly on top of the collapsible container 14. Leading axially through the shank 18 is a duct 20, the lower end of which communicates with the chamber within collapsible member 14, and disposed within the upper end of this duct is a suitable inlet valve 21 which permits a supply of ink to be delivered through said duct into the collapsible container. Shank 18 is provided with a disc 22 having a knurled edge, thereby providing means for moving the head 19 downwardly in recess 13 to force ink from the collapsible container 14 outwardly through the branch pipes 16 and into the absorbent body 12a. Thus, each printing member is provided with means for readily supplying the absorbent ink applying member with ink and enabling the device to be used indefinitely.

A stamp or printing member of my improved construction is comparatively simple, may be easily and cheaply produced, and provides efficient means for economically producing signs, advertising matter and the like, and particularly printed matter that is frequently changed or renewed.

It will be readily understood that minor changes in the size, form and construction of the various parts of my improved stamp or impression pad may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. A printing member, comprising an elastic body, and an absorbent ink-retaining member seated in the under side of said body, the under face of which absorbent ink-retaining member is slightly inset with respect to the under face of the elastic body.

2. A printing member, comprising an elastic body, an absorbent ink-retaining member seated in the under side of said body, the under face of which absorbent ink-retaining member is slightly inset with respect to the under face of the elastic body, and means carried by said elastic body for supplying said absorbent member with ink.

3. An impression producing member, comprising an elastic body provided in its under side with a dove-tailed recess, a body of absorbent ink-retaining material positioned within said recess, and the under face of which absorbent body is inset with respect to the under face of the elastic body.

4. An impression producing member, comprising an elastic body provided in its under side with a dove-tailed recess, a body of absorbent ink-retaining material positioned within said recess, and means carried by said elastic body for supplying said absorbent body with ink.

5. An impression producing member, comprising an elastic body, an absorbent body seated in the under side thereof, a collapsible ink container carried by said elastic body, and ducts leading from said ink container to said absorbent body.

6. An impression producing member, comprising an elastic body, an absorbent body seated in the under side thereof, a collapsible ink container carried by said elastic body, ducts leading from said ink container to said absorbent body, and means for supplying pressure to said collapsible body.

In testimony whereof I have signed my name to this specification.

A. B. JONES.