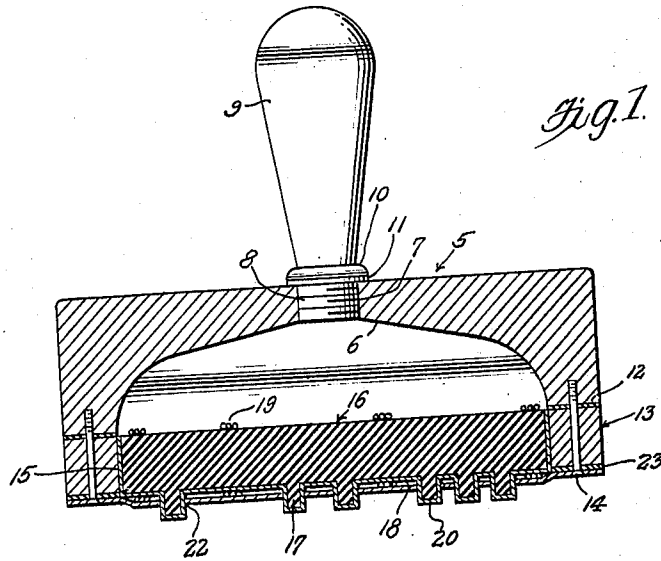
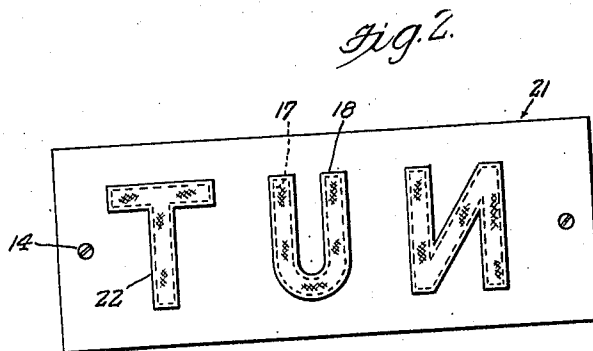
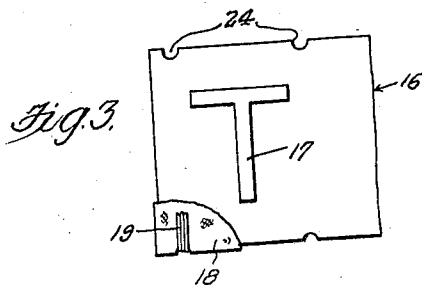


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SELF-INKING STAMP
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SELF-INKING STAMP

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8 Claims. (Cl. 101—327)

My invention relates to improvements in self-inking stamps, and the primary object of my invention is to provide an efficient arrangement of this character distinguished by simplicity, low cost, and ruggedness of parts.

Other important objects and advantages of my invention will be apparent from a reading of the following description taken in connection with the appended drawing, wherein for purposes of illustration I have shown a preferred embodiment of my invention.

In the drawing—

Figure 1 is a vertical longitudinal sectional view taken through the embodiment.

Figure 2 is a bottom plan view of Figure 1.

Figure 3 is an enlarged fragmentary detail with the cloth cut away to reveal the rubber stamp body.

Referring in detail to the drawing, the numeral 5 generally designates the body of the stamp, which in this instance is generally rectangular in form and constructed preferably of plastic or other equally suitable material, with an ink reservoir 6 occupying a major portion of the body 5 and opening through the bottom thereof. The top of the reservoir has a threaded opening 7 into which is adapted to be threaded the shank 8 of a removable handle 9, the shank acting as a stopper for the opening 7 and being provided at its upper end with a lateral flange 10 which bears down upon a sealing washer 11 surrounding the top of the opening 7. A suitable compressible material gasket 12 is arranged around the bottom of the body 5 to provide for fluid-tight engagement with the holder 13 which is traversed by securing screws 14 which are threaded into the body 5 as indicated in Figure 1 of the drawing.

The holder 13 is of the same general plan and shape as the body 5 and is formed with an opening 15 corresponding in size and shape to the lower end of the reservoir 6 and registered therewith when the holder 13 is assembled with the body 5.

Having a snug fit in the opening 15 of the holder 13 is the rubber stamp body 16 which is of substantially the same thickness as the holder 13 and has projecting below the lower side of the holder 13 the letter forms 17 which are similar to those of an ordinary rubber stamp. The bottom of the stamp body 16 and the bottoms and sides of the letter forms 17 are overlaid by and covered by an absorbent cloth sheet 18 which is extended up along the longitudinal and end edges of the stamp body 16 so as to

occupy a position between the surface of the opening 15 and the stamp body 16 and be clamped in position as a result. Multiple loops or windings of absorbent thread or string 19 encircle the stamp pad 16 and the cloth 18 transversely, between the various letter forms, not merely to assemble the cloth on the stamp body 16, but to act as wicks to convey the fluid ink in the reservoir 6 to the cloth 18 between the letter forms, and finally to the cloth portions 20 underlying the working faces of the letter forms 17, which are then endowed with a proper supply of ink for printing purposes.

Below the cloth 18 is a thin metal plate 21 which is substantially the same size and plan as the holder 13, the plate 21 having cut therein openings 22 conforming in shape and contour with the letter forms 17 but slightly larger than the letter forms with their cloth covering and through these openings 22 project the cloth covered letter forms as shown in Figure 1 of the drawings to a sufficient distance to print the outline of the cloth covered letter forms on the work to be printed, without restriction or interference from the plate 21. It is to be observed that the plate 21 masks the cloth and string loops, which together form the wick for the supplying of ink to the letter forms, so as to protect the work from the ink other than that on the letter forms, and to afford a spring type of printing bed offering resiliency and support in addition to that provided by the rubber stamp body 16. The marginal portions of the plate 21 are somewhat upwardly offset as indicated in Figure 1 of the drawing and engaged with the bottom of the holder 13 with a compressible gasket 23 interposed between the plate and the bottom of the holder 13, the screws 14 already mentioned passing through the marginal portions of the plate 21, the gasket 23, the holder 13, the gasket 12 and threading into the bottom of the body 5 to assemble the entire device. A relatively viscous ink is advised for use in the reservoir 6 to preclude too rapid flow of the ink and too heavy inking of the letter forms.

As indicated in Figure 3 of the drawing the longitudinal sides of the rubber stamp body 16 have vertical grooves 24 formed therein to accommodate the string or cord loops 19 which constitute the wicks, and the portions of the cloth 13 which the constriction of the cords force into the grooves 24, so that shifting of the loops or of the cloth 18 is positively precluded.

Although I have shown and described herein a preferred embodiment of my invention, it is to

be definitely understood that I do not wish to limit the application of my invention thereto, except as may be required by the scope of the subjoined claims.

Having described the invention, what is claimed as new is:

1. A self-inking stamp comprising a body formed with a fluid ink reservoir opening through its bottom, a holder removably secured to the bottom of said body, said holder being formed with an opening registered with the opening of the ink reservoir, a compressible material stamp body fitting in the opening in the holder and having printing shapes depending therefrom, absorbent fabric material underlying the bottom or printing surfaces of said stamp body, and wick means connected with said fabric material and extending through the opening of the holder to be saturated by fluid ink in said reservoir.

2. A self-inking stamp according to claim 1 wherein the upper part of said body is formed with a filling hole communicating with said reservoir, and a handle having a stopper portion closing said hole and connecting the handle to the body.

3. A self-inking stamp according to claim 1 wherein a spring metal plate is secured to the bottom of said holder, said metal plate being formed with openings conforming to the shape of but slightly larger than and passing said printing shapes.

4. A self-inking stamp according to claim 1 wherein said absorbent fabric material comprises a thin flexible sheet conformably engaging the bottoms and sides of said printing shapes and the surface of said stamp body lying between shapes.

5. A self-inking stamp according to claim 1 wherein said absorbent fabric material comprises a thin flexible sheet conformably engaging the bottoms and sides of said printing shapes and the surface of said stamp body lying between

the shapes and said wick means comprises loops of absorbent cord wound around said stamp body and said sheet between said shapes.

6. A self-inking stamp according to claim 1 wherein said absorbent fabric material comprises a thin flexible sheet conformably engaging the bottoms and sides of said printing shapes and the surface of said stamp body lying between the shapes and said wick means comprises loops of absorbent cord wound around said stamp body and said sheet between said shapes, said loops being constricted to press portions of said sheet into vertical grooves formed in the sides of said stamp body.

7. A self-inking stamp comprising a body formed with a fluid ink reservoir opening through its bottom, a holder removably secured to the bottom of said body, said holder being formed with an opening registered with the opening of the ink reservoir, a compressible material stamp body fitting in the opening in the holder and having printing shapes depending therefrom, absorbent fabric material underlying the bottom or printing surfaces of said stamp body, and wick means connected with said fabric material and extending through the opening of the holder to be saturated by fluid ink in said reservoir, said wick means comprising loops of absorbent cord wound transversely around said stamp body and said absorbent fabric material between the printing shapes.

8. A self-inking stamp according to claim 1 wherein said absorbent fabric material comprises a thin flexible sheet conformably engaging the bottoms and sides of said printing shapes and the surface of said stamp body lying between the shapes, marginal portions of said sheet being extended upwardly along the edges of said stamp body and frictionally held between the said edges of the stamp body and the opposed edges of the opening in said holder.

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