Aug. 18, 1959 F. R. TANNERY 2,899,895

RUBBER STAMP

Filed April 13, 1956 2 Sheets-Sheet 1

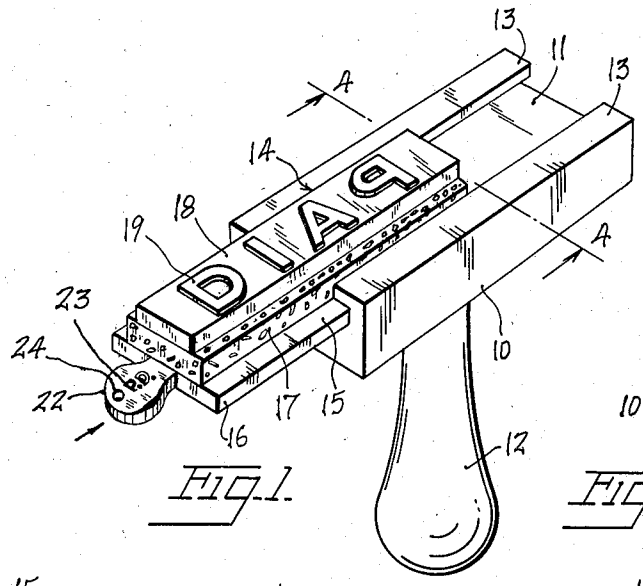


Fig. 1.

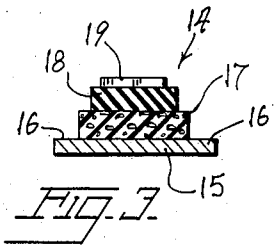


Fig. 3.

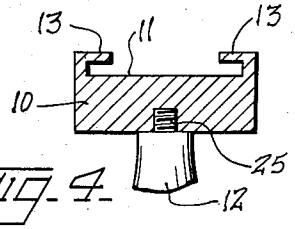


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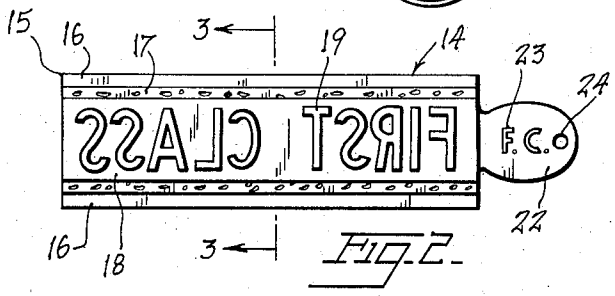


Fig. 2.

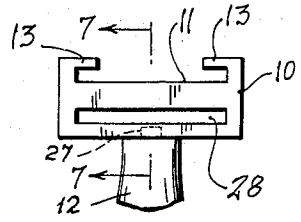


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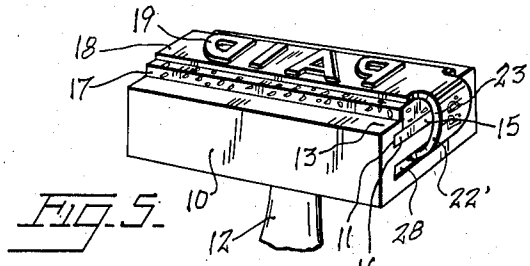


Fig. 5.

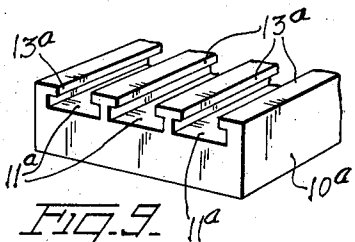


Fig. 9.

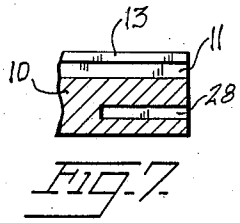


Fig. 7.

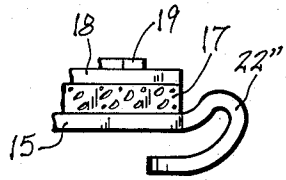


Fig. 8.

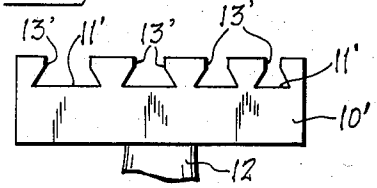


Fig. 10.

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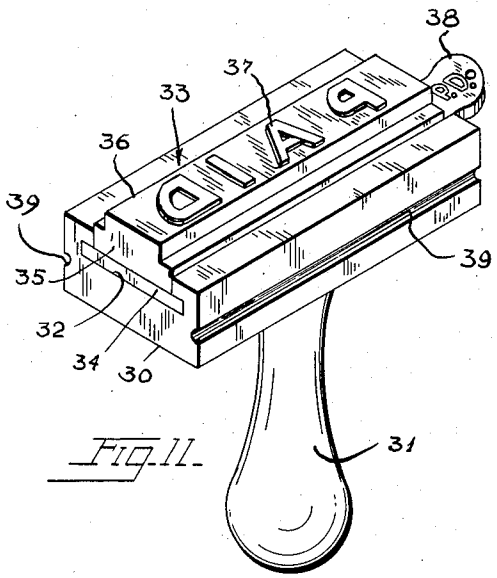


Fig. 11.

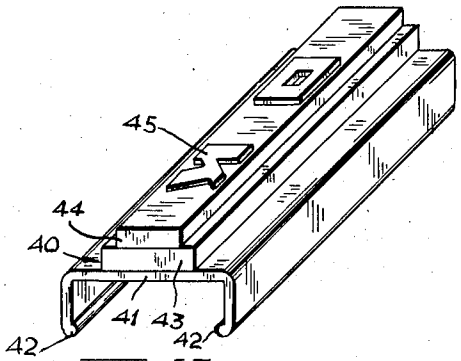


Fig. 12.

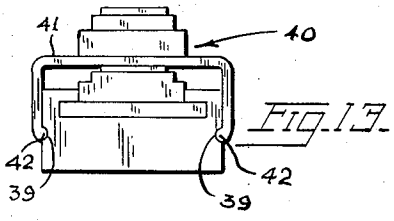


Fig. 13.

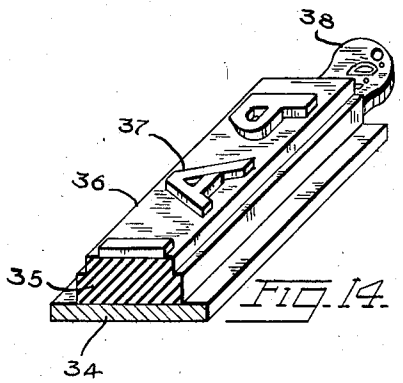


Fig. 14.

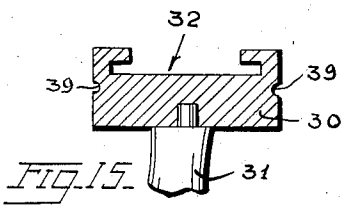


Fig. 15.

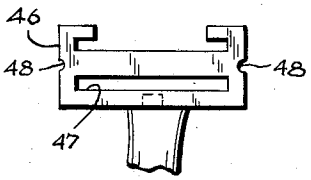


Fig. 16.

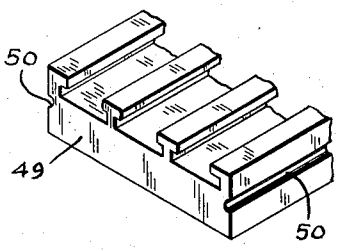


Fig. 17.

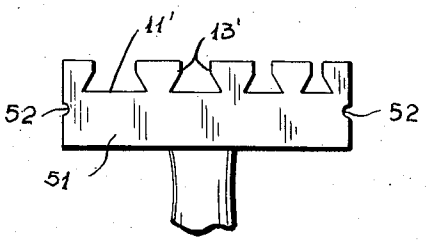


Fig. 18.

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RUBBER STAMP

Fred R. Tannery, New York, N.Y.

Application April 13, 1956, Serial No. 577,990

1 Claim. (Cl. 101—381)

This invention relates to a rubber stamp structure and particularly concerns a novel hand stamp provided with means for interchanging characters mounted thereon.

Rubber hand stamps heretofore known which have included means for interchanging characters generally included frames whereby type characters were inserted and removed one at a time. Type holders have been known also in which several letters or characters at a time could be inserted or removed from a holder. In such prior known hand stamps the means for attaching and removing the type characters has been complicated requiring tightening of screws or requiring the handling of individual letters by tweezers or the like.

The present invention is directed at overcoming the above mentioned difficulties and disadvantages as well as providing an improved rubber stamp construction.

In the present invention a holder is provided with one or more channels or grooves adapted to hold therein a removable pad carrying a plurality of type characters. The pad includes a support for a resilient cushion as well as for a type strip. The type strip may carry identifying indicia and have means for hanging the strip on a suitable support when not in use.

Further, in accordance with a modification of the invention, a holder is provided with a plurality of removable and interchangeable pads in superposed relation, each pad carrying a plurality of type characters.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 2 is a perspective view of a hand stamp embodying one form of the invention.

Fig. 2 is a plan view of a modified type strip adapted to be used with the hand stamp of Fig. 1.

Fig. 3 is a sectional view taken on lines 3—3 of Fig. 2.

Fig. 4 is a sectional view taken through the type strip character holder on the lines 4—4 of Fig. 1.

Fig. 5 is a perspective view of a modification of the invention.

Fig. 6 is an end view of the type strip holder shown in Fig. 5.

Fig. 7 is a sectional view taken on lines 7—7 of Fig. 6, parts being omitted.

Fig. 8 is a side view of a portion of another modified type strip.

Fig. 9 is a perspective view of a portion of a modified type strip holder.

Fig. 10 is an end view of another modified type strip holder.

Fig. 11 is a perspective view of still another modification of the invention.

Fig. 12 is a perspective view of an auxiliary type strip holder for use with the modification of Fig. 11.

Fig. 13 is an end elevational view showing the auxiliary holder of Fig. 12 in operative position.

Fig. 14 is a cross-sectional view of the type strip holder shown in Fig. 11.

Fig. 15 is a cross-sectional view of the modification of Fig. 11 taken midway through the ends thereof, with the type strip removed.

Fig. 16 is a view similar to Fig. 6 showing a modified form of type strip holder.

Fig. 17 is a view similar to Fig. 9 showing a further modified form of type strip holder.

Fig. 18 is a view similar to Fig. 10 showing a still further modified form of type strip holder.

In Fig. 1 is shown a rectangular block 10, in one side of which is formed a groove or channel 11 having overhanging eaves 13. A handle 12 is removably secured in the block 10. The block and handle may be made of wood, plastic or other suitable rigid material. A type strip 14 is insertable in the channel 11. The strip has a base 15 which is a rigid member of metal, wood, plastic or the like. Centrally disposed on base 15 is a pad 17 of resilient material such as sponge rubber. The pad occupies less than the entire upper surface of the base 15 to provide ledges 16 at the margins of the base. Secured to the pad 17 is a rubber strip 18 having an array of rubber type characters 19 thereon. The type characters may be integrally formed with the strip or pad 18 or may be separately formed character elements secured to the pad 18 by a suitable adhesive, by vulcanization, or the like.

The margins 16 of the base are so formed that they have a sliding fit with the bottom and sides of groove 11. The lower surfaces of the eaves 13 fit snugly over the margins 16 of the base. When the type strip is fully engaged in the block the sides of pad 17 press somewhat against the abutting edges of eaves 13 to retain the type strip securely in the block.

In Figs. 1 and 2 each base 15 is shown provided with a tab extension 22. While this tab is shown extending from and integral with base 15 it may if desired be an extension of base 18 instead. This tab carries indicia 23 indicating the nature and content of the wording or lettering on the type strip. An aperture 24 is provided in the tab so that the base and strip may be hung on a suitable support for convenient filing with other similar type strips having different type characters thereon.

In Fig. 3 is shown the laminated structure of the type strip 14. The sponge rubber pad 17 is thicker than the depth of groove 11 to provide a resilient portion above the block. This resilient portion is required to provide a flexible base for the type characters during use thereof. Pad 18 is shown somewhat narrower than pad 17 but it need not be so. Pad 18 may be equal in width or wider than pad 17, but the type characters 19 should not be wider than pad 17.

Fig. 4 shows the overhanging eaves 13 of the channel 11 in which the type strip is to be lodged. Handle 12 is provided with a threaded post 25 which screws into a corresponding recess in the block 10.

In the embodiment of Fig. 5, the type strip is provided with a tab extension 22' which curves downwardly and is adapted to fit into a recess 28 in block 10 as best shown in Figs. 6 and 7. This recess is disposed below channel 11 in the block 10. When the tab 22' is lodged in recess 28 the type strip is more securely mounted in the block yet it can readily be removed therefrom. As an alternative, the curved tab may be an extension of the base member 15 as shown by the hook-shaped tab 22'' in Fig. 8. This tab will fit into recess 28 in the same manner as tab 22'. As shown in Fig. 6, the handle 12 is shown with a smooth post 27 adapted to slide into a corresponding opening in the bottom of block 10.

If desired the block 10ª may have a plurality of grooves or channels 11ª with overhanging eaves 13ª as shown in Fig. 9. The several channels may have different widths to hold type strips of different sizes. Instead of rectangular channels, the block 10' may have one or more dovetailed or other shaped channels 11' as indicated in Fig. 10. The sides 13' of the dovetailed grooves are inclined inwardly to overhang the bottom surfaces of the grooves and perform the same function as eaves 13, namely, to guide and retain the type strips. The grooves may have graduated widths as indicated in Fig. 10 to accommodate type strips having corresponding widths.

Referring now to the modification shown in Figs. 11 to 15, inclusive, the block 30 is substantially the same in configuration as the block 10 of the form of Fig. 1 and is provided with a similar handle 31. The central groove 32 slidably receives the type strip 33, consisting of a base plate 34, resilient pad 35 supporting the rubber strip 36 formed with the type characters 37 thereon. The base plate 34 has an extending tab 38 for manipulating the same. In this form, however, the sides of the block 30 are formed with opposed grooves 39 extending the length of the sides. An auxiliary type strip holder 40 is provided for removable mounting in said grooves 39. The auxiliary type strip holder has a channel-shaped body 41 opening downwardly with inwardly turned opposed flanges 42 at its bottom ends. The body 41 constitutes a combined holder and base plate for supporting a resilient pad 43 which carries the rubber strip 44 forming the type characters 45.

The body 41 is adapted to be superposed over the block 30 as shown in Fig. 13 by sliding it inwardly with its flanges 42 riding in the grooves 39. When in this position, the auxiliary block is in position for printing with the type characters 45. The auxiliary holder may readily be detached from the holder 30 when it is desired to print with the type characters 37 on block 30.

The modified form of holder block 46 shown in Fig. 16 differs from the form of holder shown in Fig. 11 in that a recess 47 is formed in the end of the block to receive a type strip having a hook shaped tab, such as the type strip tab 22' shown in Fig. 5. Opposed grooves 48 are also formed in the sides of the block, for receiving an auxiliary holder such as the holder 40 of Fig. 12.

The modified form of holder block 49 shown in Fig. 17 differs from the holder block 10ª of Fig. 9 in that the block 49 is formed with opposed grooves 50 for receiving an auxiliary block holder such as the holder 40 of Fig. 12.

In Fig. 18, the modified form of holder block 51 shown therein differs from the form of holder block 10' shown in Fig. 10 merely in providing opposed grooves 52 in the sides of the block for receiving an auxiliary holder block, such as the block 40 of Fig. 12.

The several parts of the rubber stamp structure disclosed may readily be disassembled for packing and shipment. The construction is so adapted that a kit may be made up consisting of one or more of the block, the handles, and the type strips of the same or different sizes. These members may be packaged with or without a suitable stamp pad and may be distributed and sold as a kit. This kit may thus include a variety of type strips having different stock legends or type characters thereon to meet particular requirements of the user.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

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

A hand stamp comprising a rectangular block, having a recess therein, a handle attached to one side of said block, an opposite side of said block having at least one groove therein, said groove having overhanging sides and being of a predetermined width and depth, and a type strip slidably engaged in said groove, said strip comprising a rigid rectangular base engaged by said overhanging sides, a resilient pad attached to said base and having a width less than the width of said base to leave exposed lateral margins thereon, said pad having a thickness greater than the depth of the groove, a strip bearing an array of type characters affixed to the pad, and an integral tab extending from one of said strips with indicia thereon identifying said type characters, said tab being curved and extending into the recess in said block.

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