Oct. 9, 1956 W. K. MUNSON 2,765,767

STAMP PADS

Filed Jan. 19, 1954

Fig. 1.

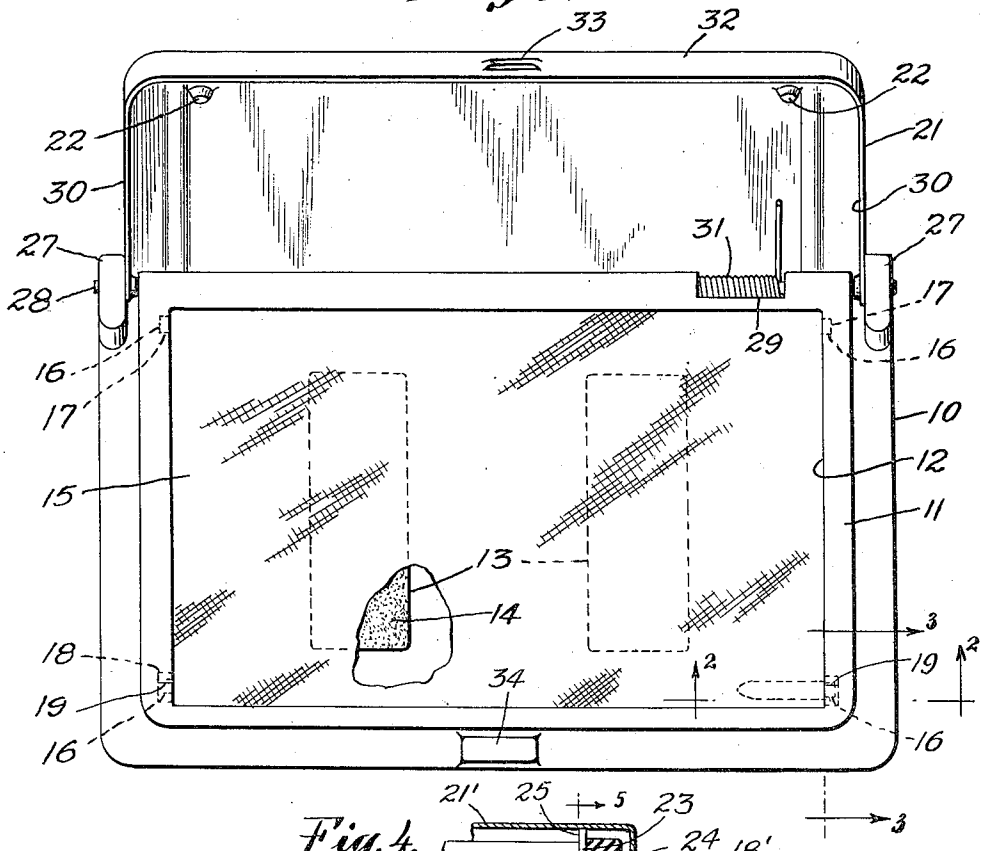


Fig. 4.

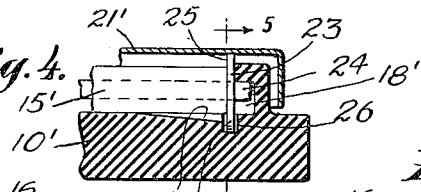


Fig. 2.

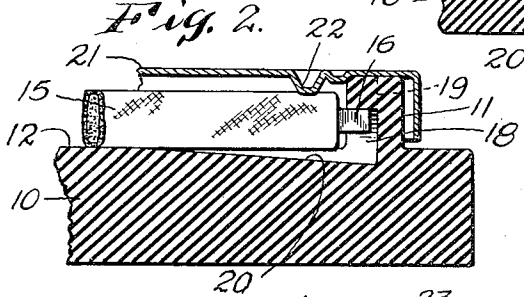


Fig. 3.

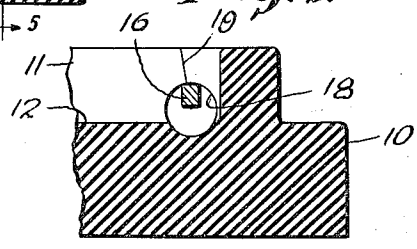
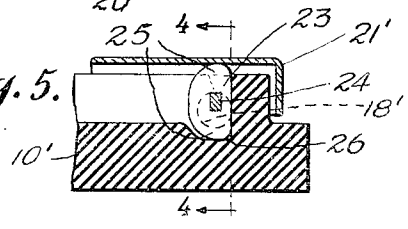


Fig. 5.



INVENTOR.
Whitney K. Munson
BY
Howard L. Thompson
ATTORNEY.

United States Patent Office

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STAMP PADS

Whitney Kellogg Munson, Red Bank, N. J.

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6 Claims. (Cl. 118—264)

This invention relates to inking pads, in conjunction with which hand stamps are used. More particularly, the invention deals with a novel mounting of the pad proper in the casing of the device, so as to simplify re-inking operations, that is to say, raising and lowering of the pad in the application of ink to the ink reservoirs of the casing.

Still more particularly, the invention deals with a structure of the character described, wherein the operation of closing the cover of the device will operate to move the pad proper or element into closed position, thus avoiding the necessity of handling the pad element.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a plan view of a pad made according to my invention showing the cover in raised position, with part of the construction broken away.

Fig. 2 is a section substantially on the line 2—2 of Fig. 1 on an enlarged scale showing the cover in closed position.

Fig. 3 is a section substantially on the line 3—3 of Fig. 1 on an enlarged scale.

Fig. 4 is a sectional view, substantially similar to Fig. 2, showing a modified form of construction, the section being substantially on the line 4—4 of Fig. 5; and

Fig. 5 is a section on the line 5—5 of Fig. 4.

In Fig. 1 of the drawing, I have shown at **10** the casing of a stamp pad device which is made of moulded rubber, the casing having, inwardly of the side and front edge portions and along the rear edge portion, a raised wall **11** forming a rectangular compartment **12**. The compartment **12** has, on its lower surface, spaced reservoirs **13**, in which are disposed absorbent pads, one of which is indicated at **14** for storage of reserve ink for inking the pad proper or element **15**.

The element **15** is of standard construction and comprises a rectangular frame, on which the cushioning material of the pad is mounted and, as the present invention is not concerned with the structure of the pad element itself, detailed reference will only be made to the protruding bars or lugs **16** of said frame which are disposed at corner portions of the frame and extend outwardly from side edges of the pad element **15**. One set of these lugs, adjacent the rear wall, fit in apertures **17** in pivotally mounting the element **15** in the frame to swing vertically in the operation of re-inking the absorbents **14**.

The other lugs **16** are adapted to be forced down into other apertures **18** adjacent the forward edge of the pad by forcing the lugs through slits **19** which open into the aperture **18**.

In forming the apertures **18**, the bottom wall of the casing **10** is recessed, as seen at **20**, note Fig. 2 of the drawing, so that, in applying downward pressure upon the front corner portions of the pad element **15**, as later

described, the pad element can be flexed downwardly to a slight extent to insure engagement of the lugs **16** with the apertures **18** in securing the forward edge portion of the pad **15** in position.

At this time, it might be well to point out that, in releasing the forward edge portion of the pad element **15** to give access to the absorbents **14**, all that is necessary is to flex the front corner portions of the casing **10** downwardly, which will result in disengaging the lugs **16** from the apertures **18**. The pad element **15** may then be swung upwardly on the rear pivots for the inking operation. To then return the pad to the normal closed position, the cover **21** is simply moved downwardly and pressed downwardly to force the lugs **16** into the apertures **18** through the slits **19**.

In Figs. 1 to 3, inclusive, this result is accomplished by providing inwardly extending beads **22** at corner portions of the cover which engage corner portions of the pad in the manner clearly illustrated in Fig. 2 of the drawing.

In Figs. 4 and 5 of the drawing, the same result is accomplished by having a cover **21'**, similar to the cover **21** except for the beads **22**, engage discs **23** mounted on lugs **24** which are generally similar to the lugs **16** and operate in apertures **18'**.

The discs **23** have upwardly and downwardly projecting portions **25** which extend above and below the surface of the pad element **15'** to be engaged by the cover, both projections being employed so as to facilitate reversal of the pad element **15'** in the casing **10'**. It will also be noted from a consideration of Fig. 4 of the drawing that the casing **10'** is recessed, as seen at **26**, to receive the projections **25** and also has a recess **20'**, generally similar to the recess **20**.

Returning now to Fig. 1 of the drawing, it will appear that the casing **10** has, at its rear corner portions, raised bearings **27** receiving a pivot pin **28** which also extends through the rear portion of the raised wall **11** and through an elongated recess **29** formed in said wall, the pin **28** passing through side walls **30** of the cover **21**, which walls are disposed between the bearings **27** and the raised wall **11**, as clearly shown. A spring **31** is mounted on the pin **28** within the recess **29** and engages the cover to automatically move the same into raised position.

The front wall portion **32** of the cover has an outwardly extending bead **33** which is adapted to engage a raised rubber catch **34** at the front edge of the casing **10** in holding the cover in closed position against the action of the spring **31**. By flexing the rubber catch **34** forwardly, the cover is released and is then automatically moved into raised position by the spring **31**.

With both forms of construction shown, it is the downward closing movement of the cover of the pad which operates to return the pad element **15** to its closed position as and when the element **15** has been raised for purposes of re-inking. It will be apparent that the re-inking operation is performed only at widely spaced intervals. However, with the structure disclosed, the re-inking operation can be performed quickly and easily and without soiling the hands of the operator in performing this operation.

In reversing the pad element **15** in the casing, the rear walls **11** are flexed outwardly, which will disengage the rear lugs **16** from the apertures **17** and the pad is reversed by bringing one side of the element **15**, for example the right side, into the left side position within the casing. This latter operation is performed only when the surface of the pad becomes worn from extensive use.

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

1. A stamp pad comprising a casing, the casing hav-

ing a raised wall portion forming a pad receiving recess, a pad element pivotally and detachably mounted in connection with said raised wall and arranged within said recess, means on the bottom wall of the casing and opening into said recess for inking said pad element, a cover pivotally mounted in connection with the rear of the casing and enveloping the raised wall and forming a closure for said pad element, the pad element having, at the four corner portions thereof, outwardly extending side lugs adapted to enter apertures in said raised wall in securing the pad element against displacement from the casing, two of said lugs forming a pivotal mounting of the pad element in the casing, said raised wall having slits opening into the two forward apertures, the bottom wall of the casing, adjacent said forward apertures, having recesses to facilitate forcible movement of the forward lugs into said forward apertures, and means operable upon the closing of the cover which acts to force the forward lugs downwardly through the slits and into their place in the apertures of the casing.

2. A stamp pad comprising a casing, the casing having a raised wall portion forming a pad receiving recess, a pad element pivotally and detachably mounted in connection with said raised wall and arranged within said recess, means on the bottom wall of the casing and opening into said recess for inking said pad element, a cover pivotally mounted in connection with the casing and enveloping the raised wall and forming a closure for said pad element, the pad element having, at the four corner portions thereof, outwardly extending side lugs adapted to enter apertures in said raised wall in securing the pad element against displacement from the casing, two of said lugs forming a pivotal mounting of the pad element in the casing, said raised wall having slits opening into the two forward apertures, the bottom wall of the casing adjacent said forward apertures having recesses to facilitate forcible movement of the other pair of lugs into said forward apertures in mounting the pad element in position, means comprising said cover for moving the last named pair of lugs into the apertures through said slits in securing the pad element in position, and said last named means comprising discs projecting upwardly from the lugs beyond the surface of the pad element and adapted to be engaged by said cover in moving the lugs into operative positions in said apertures.

3. A stamp pad comprising a casing, the casing having a raised wall portion forming a pad receiving recess, a pad element pivotally and detachably mounted in connection with said raised wall and arranged within said recess, means on the bottom wall of the casing and opening into said recess for inking said pad element, a cover pivotally mounted in connection with the casing and enveloping the raised wall and forming a closure for said pad element, the pad element having, at the four corner portions thereof, outwardly extending side lugs adapted to enter apertures in said raised wall in securing the pad element against displacement from the casing, two of said lugs forming a pivotal mounting of the pad element in

the casing, said raised wall having slits opening into the two forward apertures, the bottom wall of the casing adjacent said forward apertures having recesses to facilitate forcible movement of the other pair of lugs into said forward apertures in mounting the pad element in position, means comprising said cover for moving the last named pair of lugs into the apertures through said slits in securing the pad element in position, said last named means comprising discs projecting upwardly from the lugs beyond the surface of the pad element and adapted to be engaged by said cover in moving the lugs into operative positions in said apertures, and said discs also projecting beyond the opposed surface of the pad element and adapted to enter said recesses in the casing adjacent said forward apertures.

4. A stamp pad of the character described comprising a casing, a pad element mounted in said casing, means for pivotally mounting the pad element at the rear side portions of the casing, a cover hinged to the rear portion of the casing and extending over the casing to form a closure for said pad element, means at the forward portion of the pad element engaging the casing to retain the pad element against accidental displacement from the casing, and said last named means including projecting means on the pad element adapted to be directly engaged by the cover, in movement of the cover into closed position to move the pad element into retained position in the casing.

5. A stamp pad of the character described, comprising a casing, a pad element mounted in said casing, means for pivotally mounting the pad element at the rear side portions of the casing, a cover hinged to the rear portion of the casing and extending over the casing to form a closure for said pad element, means at the forward portion of the pad element engaging the casing to retain the pad element against accidental displacement from the casing, said last named means including portions projecting upwardly and downwardly beyond the surfaces of the pad element for engagement with said cover, and the casing being recessed to receive said projecting portions.

6. A stamp pad of the character described comprising a flexible walled recessed casing, a pad element mounted in the recess of said casing, means pivotally mounting the rear portion of the pad element in flexible walls of the casing, the forward corners of the casing and pad element having interengaging means for normally retaining the pad element in closed position, said last named means being released in flexing corner portions of the casing to free the pad for swinging movement in the casing, and said second named means of the pad element comprising portions projecting above the surface of the pad element to facilitate movement of the pad element into operative position by downward pressure upon said projecting portions.

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