June 17, 1930. N. SACCOCCIA 1,764,806

FASTENER

Filed Dec. 5, 1928

Fig. 1.

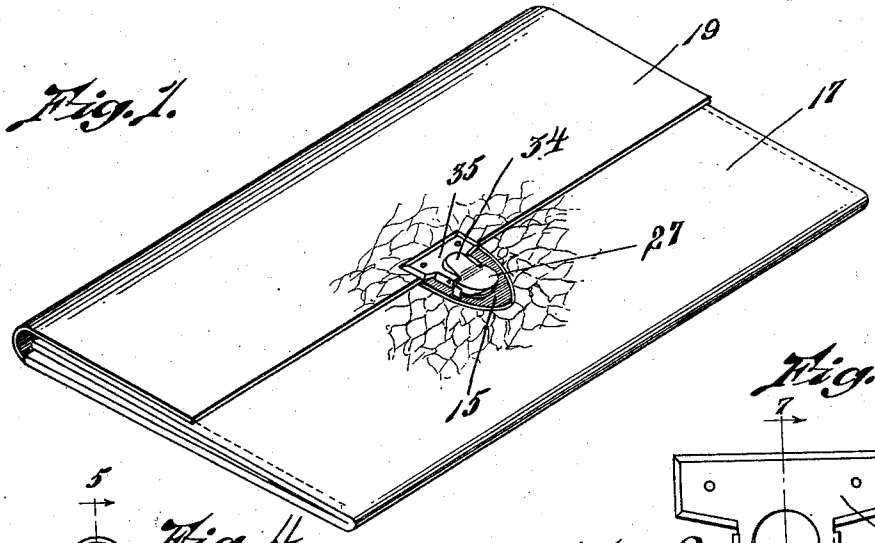
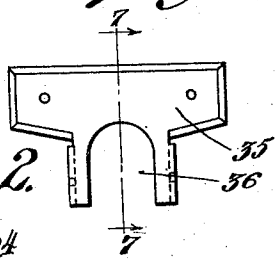


Fig. 6.



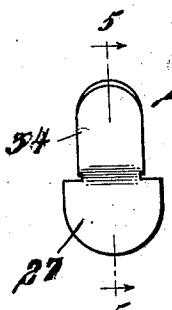


Fig. 4.

Fig. 5.

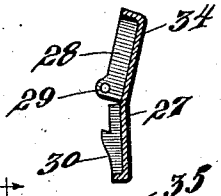
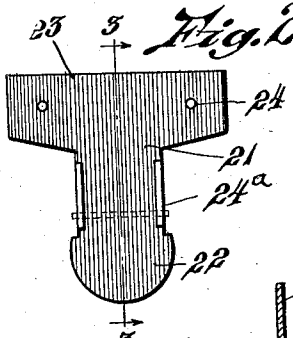
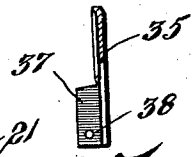


Fig. 2.





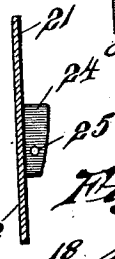


Fig. 7.

Fig. 3.

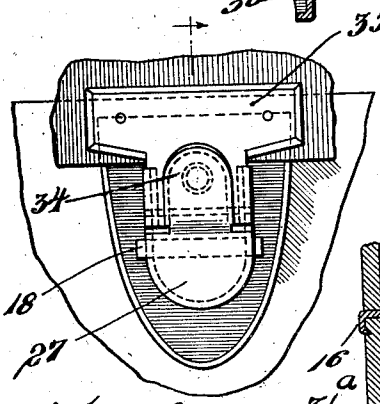


Fig. 10.

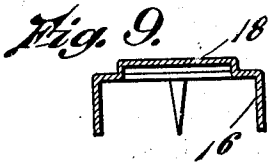


Fig. 9.

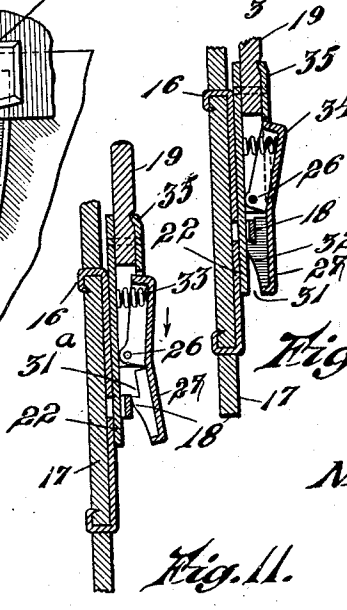


Fig. 11.

Fig. 12.

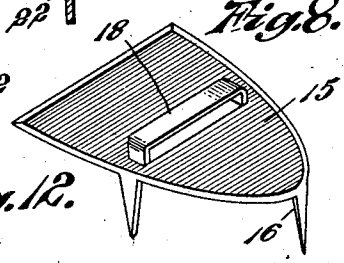


Fig. 8.

INVENTOR.
Nicolas Saccoccia.
BY Barlow & Barlow
ATTORNEYS.

Patented June 17, 1930

1,764,806

UNITED STATES PATENT OFFICE

NICOLAS SACCOCCIA, OF CRANSTON, RHODE ISLAND, ASSIGNOR TO FULFORD MFG. CO., OF PROVIDENCE, RHODE ISLAND, A CORPORATION OF RHODE ISLAND

FASTENER

Application filed December 5, 1928. Serial No. 323,962.

This invention relates to an improved construction of fastener, more particularly adapted for releasably securing together parts of containers such as hand bags and the like, but which may be used for other purposes for which it is adapted; and the object of this invention is to provide a fastener of this character having a keeper member with a catch which may be secured to one part of the bag and a cooperating clasp member secured to the other part of the bag, the clasp member comprising a pair of spring pressed jaws to receive and releasably retain the catch on the other part of the bag, and to provide a presser handle on one of the jaws for opening the same.

A further object of the invention is to provide a clasp member with a lower jaw plate adapted to pass thru the catch of the keeper and an upper jaw having an inclined opening to receive the catch and when pressed forwardly to open automatically and engage the catch. This jaw also being provided with a presser handle for opening the jaws to release the catch.

The invention still further consists in the provision of a jaw plate having one end adapted to pass thru the catch and an opposite end portion to be attached to a bag part and a cooperating jaw shaped to provide an inclined passageway between the jaws, whereby the pressing forward of the clasp causes the catch which enters between the two jaws to snap into the notch in the upper jaw and to provide a second fastening and guard plate to cooperate with the fastener portion of the lower jaw plate to receive and secure a part of the bag between these plates.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings:

Fig. 1 is a perspective view showing my improved fastener as applied to a lady's hand bag.

Fig. 2 is a face view of the lower jaw plate.

Fig. 3 is a section on line 3—3 of Fig. 2 thru the jaw plate showing one of the hinge ears.

Fig. 4 is a top view of the swinging jaw.

Fig. 5 is a section on line 5—5 of Fig. 4 thru this upper swinging jaw showing the inclined catch engaging surface and the notch in the jaw, also showing the hinge pin and the presser or operating handle.

Fig. 6 is a face view of the cooperating attaching plate.

Fig. 7 is a section on line 7—7 of Fig. 6 showing the joint ear thru which this attaching plate is connected to the jaw hinge.

Fig. 8 is a perspective view of the keeper member which comprises an attaching plate carrying a loop-shaped catch.

Fig. 9 is a section thru this attaching plate, its catch and its attaching prongs.

Fig. 10 is a face view of the fastener in engaging position.

Fig. 11 is a sectional edge view showing the jaws of the fastener, one as having passed thru the catch and the other as having been raised and in the act of sliding over the catch.

Fig. 12 shows the jaw as having closed over the catch, the catch being retained in the notch in the jaw and a portion of the bag as secured between the cooperating attaching plates of the fastener.

It is found in the practical use of bag fasteners such for instance as those employed for securing the flap of a hand bag in closed position, of advantage to be able to press one part of the fastener towards the other part of the fastener and have them automatically attach themselves one to the other so that it will be only necessary to apply a slight pressure on the clasp handle to permit them to be released one from the other also it is found of advantage to provide a guard about the presser member to prevent it from catching in adjacent articles and also to prevent it from being accidentally operated to inadvertently release the parts of the bag; and to accomplish this in a simple and effective way, I have fastened the catch carrying keeper plate to one part of the bag and I have fastened the clasp member of the

fastener to the other part of the bag, the clasp member being provided with a thin lower jaw plate which is adapted to pass thru the slightly raised catch while by a slight forward pressure the inclined surface on the cooperating jaw slides over the catch and receives the catch in the notch formed in this jaw. It is necessary now to apply only a slight pressure on the operating handle of the upper jaw to release the fastener parts so that the flap of the bag may be opened; and the following is a detailed description of the present embodiment of my invention and showing one means by which these advantageous results may be accomplished:

With reference to the drawings, 15 designates the keeper plate which is provided with a plurality of prongs 16 adapted to pass thru and be folded beneath the stock of the body portion 17 of the beg to firmly secure this plate thereto.

From the stock of this plate I have raised a strip of metal, as at 18, to provide a catch for the reception of the clasp jaw, the catch being raised but a slight distance above the plane of the plate so as to take up the minimum amount of space.

To the edge of the flap portion 19 of the bag, I have secured the clasp member of the fastener, which comprises a lower jaw plate 21 having a thin forwardly projecting cooperating jaw portion 22 adapted to slide thru the catch, as best illustrated in Figs. 11 and 12, also this plate is provided with a rear attaching portion 23 having holes 24, by which it may be sewed or riveted to the flap of the bag. Intermediate the forward and the rear portions of this plate, I have folded up pivot hinge ears 24ª which are pierced as at 25 to receive the pivot pin 26. To cooperate with this lower jaw, I have provided an upper jaw member 27, the same being provided with a marginal flange 28 which is turned inwardly about its edge. This flange is formed to provide side ears pierced at 29 to receive the hinge pivot pin 26. The flange at the forward portion of the jaw is cut back on an incline as at 30, so as to provide an entering space 31 between this jaw and the lower jaw, the space being of a width a little greater than the thickness of the stock of the catch 18 and a short distance back from the entering end of this jaw; I have notched the side flanges as at 31ª so that when this jaw is pressed forwardly the catch 18 enters the space 31 and rides under the inclined portion 32 of this jaw, which jaw under action of its spring 33 closes as soon as the catch has entered the notch 31ª, thereby firmly retaining the catch in the jaw and so preventing the flap of the bag from becoming inadvertently disengaged from the body portion thereof.

The presser handle portion 34 of this jaw is set at an outwardly inclined angle from the engaging portion of the jaw to be pressed inwardly and lift the jaw portion to disengage the catch permitting the flap to be withdrawn to open the bag.

It has also been found of advantage to provide an attaching plate 35 which will cooperate with the attaching portion 23 of the jaw plate 21 to secure the flap of the bag between them.

This attaching plate 35 has a central cut-out portion 36 to receive the operating handle 34 of the upper jaw 27 and is provided with downwardly-extending hinge ears 37 pierced at 38 to receive the jaw hinge pin 26 by which this attaching plate is connected to the fastener.

This attaching plate in addition to being connected to the flap of the bag also serves as a simple and effective guard for the operating handle 34 of the upper jaw so as to prevent adjacent articles from getting caught in the handle portion of the upper jaw as the flange 28 of this handle portion never rises above the plane of this attaching guard plate.

My improved fastener is extremely simple and practical in construction and is effective in its operation and by its use one part of the bag may be securely attached to the other part thereof and yet may be readily released therefrom and by the particular formation of the jaws of the clasp by exerting slight forward pressure of the fastener parts, the clasp will automatically open to receive and engage the catch and close over the same, it being only necessary to apply a slight pressure to the operating handle of the clasp to release the fastener when it is desired to open the bag.

The foregoing description is directed solely towards the construction illustrated, but I desire it to be understood that I reserve the privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

I claim:

1. A fastener comprising in combination a clasp member and a cooperating keeper member with a loop-shaped catch, said clasp member having a body portion for extending through the catch and spring-pressed notched catch-engaging jaws to receive and retain said keeper, and means in said keeper member and in said clasp member for attaching them to different parts of an article to releasably secure these parts together.

2. A fastener comprising in combination a keeper member having a loop-shaped catch, a cooperating clasp member having a body portion for extending through the catch and a pair of spring-pressed catch-

receiving jaws notched back of their entering ends to receive and retain said catch, one of said jaws having its surface inclined from its entering end back towards said notch to engage and ride over the catch when forced forward to automatically open the jaws to receive the catch in said notch, means in both the keeper member and the clasp member by which they may be attached to opposite parts of an article to releasably secure these parts together, and a presser handle for opening said jaws.

3. A fastener comprising in combination a keeper plate having a loop-shaped catch above the plane of its surface and a cooperating clasp member having a body portion for extending through the catch and notched jaws with inclined engaging surfaces spaced at their entering ends to receive and guide said keeper catch between them back into said notch to releasably retain the same when forced thereover, means for attaching the keeper plate to one part of an article, means for attaching said clasp member to another part of the article whereby these parts are detachably connected together, and a presser handle for opening said jaws.

4. A fastener comprising in combination a keeper plate having an integral loop-shaped catch raised from the stock above the plane of its surface and a cooperating clasp member having a thin jaw plate to slide thru said catch and a cooperating jaw member having an inturned notched edge flange with an inclined engaging surface spaced from the plate jaw at its entering end to receive said keeper catch and guide it back into said notch when the two members are forced together, and a presser handle for opening said jaws.

5. A bag fastener comprising in combination a keeper plate, means by which it may be attached to one part of the bag, said plate having a keeper loop-shaped catch raised above its outer surface and a clasp member having a lower jaw plate shaped at one end to extend thru said catch and at its other end to be attached to one part of the bag, a cooperating upper jaw pivoted to the lower jaw and having a marginal flange notched back from its end portion and inclined back from its end to said notch spacing the entering ends of said jaws apart to receive said keeper catch and guide it back into said notch when forced forward, a spring for closing the jaws, and a presser handle for opening said jaws.

6. A bag fastener comprising in combination a keeper plate having means by which it may be attached to one part of the bag, said plate having a keeper catch raised above its outer surface and a clasp member having a lower jaw plate shaped at one end to extend thru said loop and at its other end to be attached to one part of the bag, a cooperating upper jaw pivoted to the lower jaw and having a marginal flange notched back from its entering end and inclined back from this end to said notch spacing the entering ends of said jaws apart to receive said keeper catch and guide it back into said notch, a spring for closing the jaws, a presser handle for opening said jaws, and an attaching plate spaced from and cooperating with the attaching portion of the lower jaw plate between which a portion of the bag may be secured.

7. A bag fastener comprising in combination, a keeper plate to be secured to one part of the bag and having a catch thereon, a cooperating clasp member having a jaw plate to extend thru said catch with securing means at its opposite end, a cooperating spring pressed notched jaw to grasp said catch, a presser handle for opening said jaws, and a securing plate spaced from the jaw plate and attached thereto between which two plates another part of the bag may be attached.

In testimony whereof I affix my signature.

NICOLAS SACCOCCIA.