Nov. 25, 1924. 1,516,514

H. TUECKMANTEL

LATCH FASTENER FOR BAGS

Filed April 5, 1923

Fig. 1.

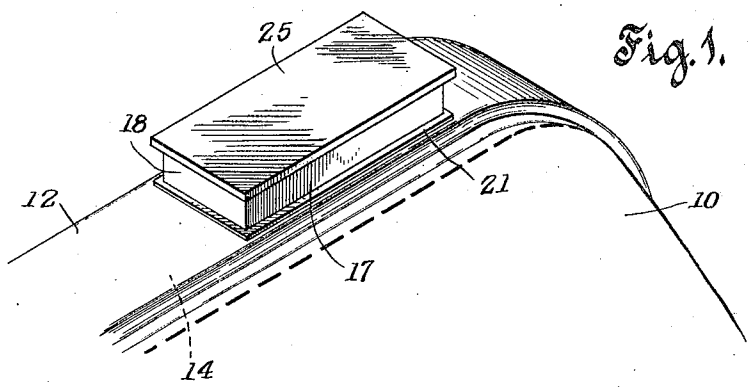


Fig. 2

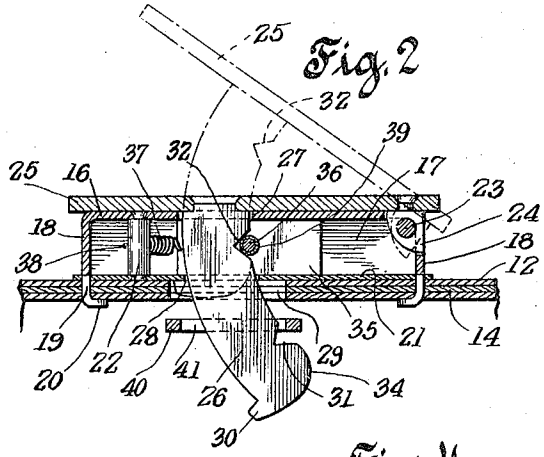


Fig. 3.

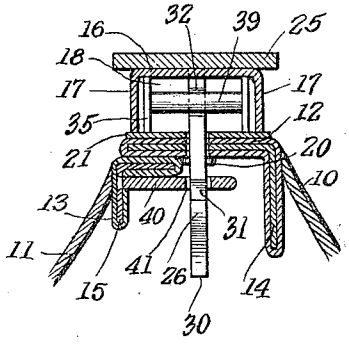
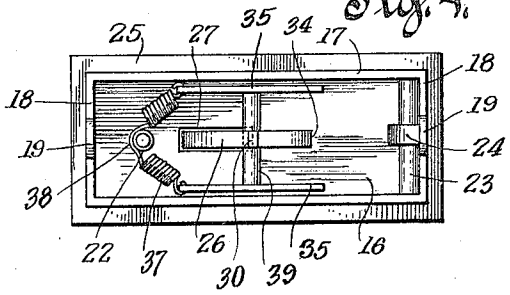


Fig. 4.



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UNITED STATES PATENT OFFICE.

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LATCH FASTENER FOR BAGS.

Application filed April 5, 1923. Serial No. 629,998.

To all whom it may concern:

Be it known that I, HUGO TUECKMANTEL, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Latch Fasteners for Bags, of which the following is a specification.

This invention relates to improvements in fasteners for hand bags, valises and like structures having hinged frames and more particularly to types of fasteners used to engage the frames near their ends along their straight outer edges.

One of the objects of the invention is to provide an unusually strong and secure fastener composed of a pivoted latch bolt member on one frame element and a closed loop or eye receptive of the bolt fixed on the mating frame element.

Another purpose is to produce an actuating member for the bolt that is readily manipulated and which clearly and unmistakably indicates the position of the locking bolt.

A further aim is in the provision of means for normally maintaining the bolt in either of its extreme positions, as fully retracted or positively locked.

Still further objects are to provide a bag fastener of the type described exceptionally neat in appearance, that occupies less than the usual space and which is simple and inexpensive in construction.

These and analogous aims are attained by the novel construction and combination of parts hereafter described and illustrated in the annexed drawing forming part of this disclosure, and in which:—

Figure 1 is a perspective view of an embodiment of the invention illustrating its application to a conventional type of travelling bag.

Figure 2 is a longitudinal sectional view of the same, showing the parts as in a closed position by full lines and in an open position by broken lines.

Figure 3 is a transverse sectional view showing the fastener as closed.

Figure 4 is a bottom plan view of the fastener casing assembled, the bottom plate being removed to show the construction.

A conventional type of hand bag is indicated in the drawing, having sides 10 and 11 stitched or otherwise secured to frame coverings 12 and 13, completely enveloping the frame members 14 and 15, which, as shown, are angular in cross section and, as will be understood, extend in parallel along the length of the bag opening and thence downwardly at the sides, where they are engaged by hinges, not shown.

The frame member 14 is usually considerably larger than its mate and arranged to overlie the same when the bag is closed, as indicated in Figs. 1 and 3, but it is to be understood that the frame formation is immaterial with respect to the invention.

The fastener consists of an oblong rectangular casing composed of a top plate 16, side walls 17, which may be at right angles or flaring outward as preferred, and corresponding end walls 18.

Extending from the lower edges of the end walls are lugs 19, adapted to be inturned, as at 20, after passing through openings in a bottom plate 21 and the frame member 14 together with its covering, thus clamping the casing firmly and securely to the frame and incidentally the plate 21 to the bottom of the casing, said plate extending slightly beyond the casing sides in all directions.

Also connecting between the top plate 16 and bottom plate 21 is a post 22 positioned near one end of the casing and solidly riveted in the plates.

At the opposite end of the case, adjacent the top plate 16, is a transverse pin 23 set rigidly in the side walls and acting as a hinge member with respect to a perforate lug 24, fixed in the lower side of a cover plate 25 adapted to rest over the top plate 16 of the casing and extend uniformly outward on all sides beyond it, the lug 24 entering the casing through a central slot in the top plate and adjacent end wall and being so shaped as to fit neatly therein, and be laterally guided.

Fixed rigidly in the cover plate 25 is a

bar 26, curved to a radius on both edges from the axis of the pin 23, and guided by slots 27 and 28 formed respectively in the top and bottom plates 16 and 21, the bar being adapted to extend through slots 29 in the bag frame to a point within the bag.

At the end of the bar 26, on its outer edge is a lug 30 suited to pass through the slot 29 in the frame but engage the plate 21, the slot 28 of which is of insufficient length to permit its passage.

Formed in the convex edge of the bar are two notches 31 and 32, respectively near its rounded free end 34 and plate 25.

A slide composed of two plates 35, connected rigidly by a rod 36, is loosely contained in the casing and drawn towards the bar 26 by means of a spring 37 connected at its ends with the plates and bent to present a central bight 38 passed around the post 22.

A roller 39 is revolubly mounted on the rod 36 and adapted to enter either of the notches 31 or 32, thus holding the cover plate 25 and bar 26 in either a raised or lowered position, but permitting movement thereof upon the application of moderate force.

Firmly fixed to the lower vertical portion of the frame member 15 is an outstanding plate arm 40 having a slot 41, which, upon closing the frame members, registers with the path of the bar 26 so that the bar enters the slot as the cover plate is moved down, effectually locking the frame members from separation.

When it is desired to open the bag the plate 25 is readily raised upon its hinge pin 23 by grasping the overhanging edge and applying enough force to press the roller 36 out of the notch 32, allowing the roller to travel along the curved edge of the bar until it enters the notch 31, at which time the bar 26 will be out of engagement with the keeper plate 40 and permit the bag to open.

From the foregoing it will be seen that a simple device for this purpose has been disclosed in the preferred form of its embodiment, but it is not desired to restrict the details of the exact construction shown, it being obvious that changes, not involving the exercise of invention, may be made without conflicting with the scope of the appended claims.

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

1. A bag frame fastener comprising a casing fixed on one of the frame members, a keeper on the other member, a level cover plate hinged at one end to said casing, a bar operable transversely through said casing engageable in said keeper, said bar being fixed in said plate, and means for retaining said bar in either of its extreme positions said retaining means yielding upon application of force to said cover plate.

2. A bag frame fastener comprising a casing fixed on one of the frame members, a keeper on the other member, a swinging bar operable transversely through said casing engageable in said keeper, a cover plate by which said bar is actuated, means for preventing over operation of said bar, and resilient means wholly within said case normally limiting the movement of said bar and cover plate said bar yielding upon forcible action of said cover.

3. A bag frame latch fastener comprising a casing fixed on one of the frame members, a latch bar movable transversely through openings in the top and bottom walls of said casing being guided thereby, a level plate pivoted to one end of said casing to extend marginally beyond its confines, said bar being fixed in said plate near its outer end, a spring impelled detent wholly in said casing engaging said bar, said bar having notches receptive of said detent, said detent being forced out of engagement by actuation of said plate and means carried by the other of said frame members into which said bar enters when said plate is in a lowered position.

4. A fastener for hinged frames comprising a casing fixed on one of the frame members, a plate hinged over said casing, a curved latch bolt fixed to said plate to pass through the casing, said bolt having notches in its concave edge near its ends, a slide movable in said casing, a roller carried by said slide engageable in the mentioned notches, means for actuating said slide to cause such engagement, and a keeper fixed on the other of said frame members receptive of said bolt.

5. A fastener for hinged frames comprising a closed elongated rectangular casing fixed on one of the frame members, said casing having slots in its top and bottom members, a cover plate hinged at one end of said casing to fold thereover, a curved bar fixed in said cover plate to extend through the mentioned slots, said bar having notches in its concave side near its ends, a detent formed at the inner end of said bar limiting its outward movement, a spring impelled slide in said casing, a roller revoluble in said slide engageable in either of the mentioned notches whereby said cover plate is held in a fully raised or lowered position, and a closed loop receptive of the end of said bar secured to the mating member of the frame.

6. A bag frame latch fastener comprising a casing secured to one of the frame sides, a cover plate hingedly engaged at one end of said casing to extend outward beyond the upper wall thereof when closed there-

over, a bottom plate rigidly secured to said casing, said upper wall and bottom plate having narrow longitudinal slots, a bolt fixed in said cover plate, said bolt being curved to the radius of the hinge and fitted to the mentioned slots, means to prevent the retraction of said bolt from said casing, a detent engaging said bolt at the limits of its travel, and a closed loop carried by the other frame side receptive of said bolt when the frame sides are closed and said bolt projected downwardly.

This specification signed and witnessed this third day of April, 1923.

HUGO TUECKMANTEL.

Witnesses:

FRED'K C. FISCHER,

FERDINAND HOLL.