W. C. HIERING.

BAG FASTENER.

APPLICATION FILED JUNE 20, 1914.

1,184,451. Patented May 23, 1916.

Fig. 1.

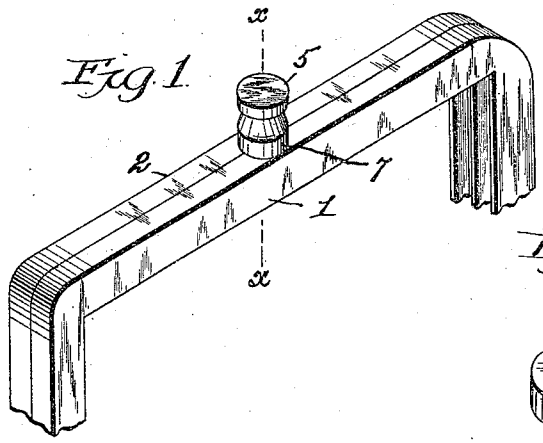


Fig. 7.

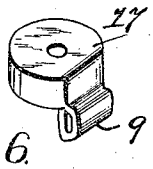


Fig. 6.

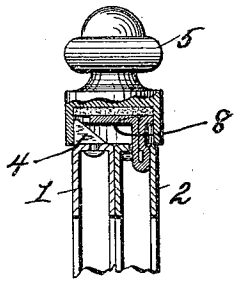


Fig. 2.

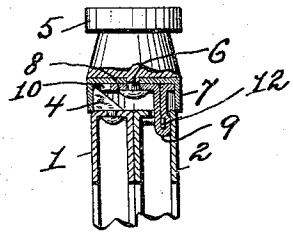


Fig. 3.

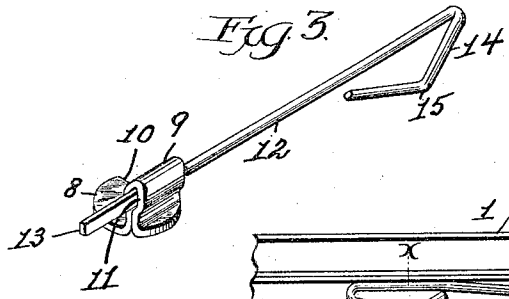


Fig. 4.

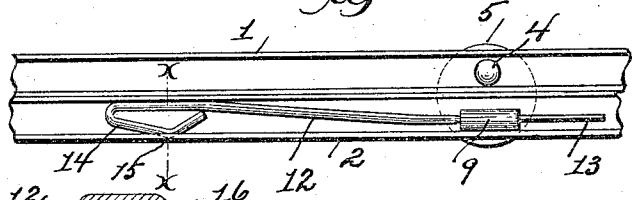
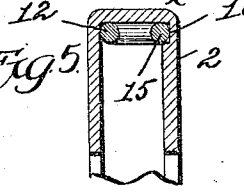


Fig. 5.



WITNESSES

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BAG-FASTENER.

1,184,451. Specification of Letters Patent. Patented May 23, 1916.

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To all whom it may concern:

Be it known that I, WILLIAM C. HIERING, a citizen of the United States, residing in the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag-Fasteners, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, forming a part of this specification.

The present invention has reference to improvements in that class of bag fasteners for bag frames which are especially adapted for pocket books, satchels, purses and the like, and the invention relates more fully to a novel construction of a locking or holding catch connected with the frame sections thereof.

The main purpose of this invention is to provide a pocket book, purse or other frame and its latch or catch which shall be neat in appearance, and shall be of a simple, strong and durable construction, with a view of furnishing a bag or purse frame having a novel construction of spring-actuating holding catch or latch, which can be easily manipulated, said latch or catch being loosely arranged directly upon one of the frame sections and retained in its operative position by a very simple arrangement of a spring with which the said catch or latch oscillates when operated, and the other frame section being provided with a very simple holding catch or lug with which the said catch or latch is forcibly sprung into holding engagement with a decided snap.

With the various objects of my present invention in view, the same consists in a novel bag fastener hereinafter set forth; and, furthermore, this invention consists in the various arrangements and combinations of the parts thereof, all of which will be fully described in the accompanying specification, and then finally embodied in the clause of the claim thereof, which is appended to and forms an essential part of this specification.

In the drawings, Figure 1 represents a perspective view of one form of bag or purse frame, with a catch or fastener embodying my invention. Fig. 2 represents a vertical section taken on line x—x of Fig. 1. Fig. 3 represents a perspective view of the plate and spring attached. Fig. 4 represents a fragmentary plan view of the under side of the frame sections, illustrating the manner in which the spring is secured to one of the frame sections. Fig. 5 represents a sectional view taken on line x—x of Fig. 4. Fig. 6 represents a vertical section of a modified form of knob; and Fig. 7 represents a perspective view of a cap with the spring-holding member or portion formed integral therewith, as heretofore made.

Similar characters of reference are shown in all of the above described views to indicate corresponding parts.

Referring now to the drawings, 1 and 2 represent a pair of frame sections which are pivotally connected at their lower end portions in the usual well known manner. One of said frame sections as 2, is provided in its upper surface with a suitably-arranged opening for the reception of an extension formed on the catch member to be presently described, and the other frame section as 1, is provided with a suitable nosing or projection 4, or any other suitable means may be provided, or the nosing may be forced out from the metal from which said frame section is made, designed to be brought into holding engagement with a suitable recess or other means formed in the under side of the catch member to firmly secure the bag frame sections or members in locked position.

The catch member which may be of any desired form or configuration, consists preferably of the knob 5, formed from a single piece of metal, provided with a downwardly projecting stud 6, the cap 7 and the plate 8, provided with a downwardly projecting spring-holding member 9 for the reception of the spring to be presently described, all of said parts being secured together by riveting over the stud 6, as clearly indicated in the drawings.

The plate 8 is provided with a suitable recess 10, so that when the bag frame sections are closed, the nosing or projection 4 will be received into said recess 10, and firmly secure the bag frame sections in locked position. The plate 8 is formed from a flat piece of metal, provided with a downwardly projecting spring-holding member or portion 9, extending at a right-angle or approximately so, having formed thereon holding means

extending preferably the entire length of the downwardly projecting spring-holding member by bending the metal thereof, as illustrated, to form a bearing or channel 11 for the reception of the spring. In order to hold said catch member in its normal initial position, I provide a suitable torsion spring 12, one end of which is flattened as at 13, said end passing through the bearing 11 of the spring-holding member 9, and rests against the under side of the frame section, and the other end of which is secured to the frame section 2 in a novel manner, now to be described. The opposite end of the spring 12 has formed thereon a loop 14, said loop being provided with a hump 15, designed to engage with a suitable recess 16 formed in the frame section 2, as clearly indicated in the drawings. This recess 16 is formed in any convenient manner, preferably by the use of a small cutter, of a diameter sufficiently small enough to be dropped into the channeled-frame section 2 and moved into the direction of the outer wall of the frame member until the desired depth has been obtained.

By the use of suitable fixtures employed in cutting the recess in the frame section 2, I am enabled at all times to locate said recess in the same place, and by providing the spring 12 with the flattened portion at 13, which flattened portion 13 is always of uniform length, I am enabled to utilize the flattened portion of the spring as a stop, so that when it is inserted into the bearing 11 of the spring holding member or portion 9 of the plate 8, the hump 15 is always the same distance from the catch, so that when the spring 12 is placed in the channeled-frame section and a suitable tool employed to press the loop portion 14 of the spring into contact with the under side of the frame section, said hump 15 will be forced into intimate engagement with the recess 16, as clearly indicated in Figs. 4 and 5 of the drawings, in which it is firmly held and prevented from rotation or accidental displacement. When the spring has in this manner been arranged in position, it, together with the under side of the cap 7, will limit the oscillatory movement of said catch member. In this manner, the movable catch will be retained in holding or locking position. When the catch member is raised, the projection 4 will become disengaged from the recess 10 in the plate 8, thereby placing the spring 12 under sufficient tension, that when the operator releases his or her hand from the catch, the spring will again cause the said catch member to return to its normal position.

Hitherto, the catch member has been constructed as indicated in Fig. 7 of the drawings, in which a cap 17 provided with a downwardly projecting spring-holding member or portion 9 was secured to the knob 5 by means of the stud 6. This construction is objectionable, for the reason that if too much pressure is exerted on the catch member, the downwardly projecting spring-holding member or portion of the cap breaks, and the catch member becomes useless. By locating the plate 8 in the cap 7, as indicated in the drawings, all strain is removed from the spring-holding member or portion 9, for the reason that the rearward movement of the knob is limited by the under side of the cap which forms a stop to limit the rearward movement thereof.

In Fig. 6 of the drawings, I have shown the catch member of the knob 5, formed preferably from a single piece of metal and provided with a recess in its under side to receive the plate 8 and in which it is securely held by means of solder or the like.

Experience has demonstrated that the organization above described is a practical and efficient one for accomplishing the ends sought by this invention. The construction may, however, be varied in detail, by those skilled in such matters, without departing from the invention.

I claim:

The combination with a pair of jaws, a catch member mounted upon one of said jaws and having interlocking engagement with the other jaw, the jaw carrying the catch member being provided with a recess in its wall, and a spring, one end of which is flattened and secured to the catch member, and the other end of which is provided with a hump to engage with the recess in the wall of the jaw to secure the spring to said jaw.

This specification signed and witnessed this 11th day of June, 1914.

WILLIAM C. HIERING.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."