W. KLEMP.

BAG CATCH.

APPLICATION FILED SEPT. 28, 1914.

1,187,844. Patented June 20, 1916.

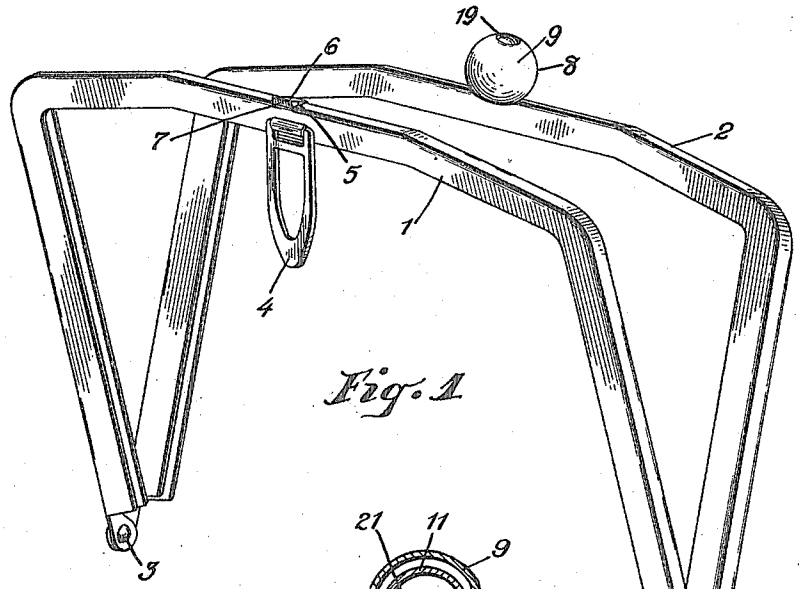


Fig. 1

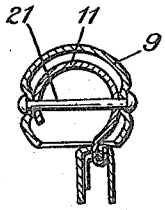


Fig. 6.

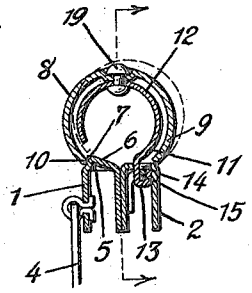


Fig. 2

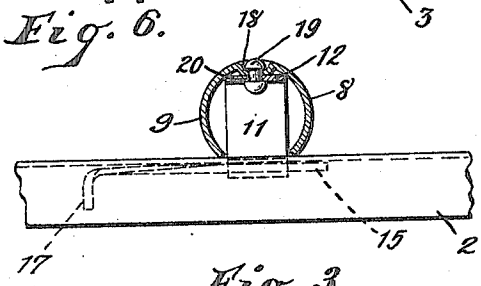


Fig. 3

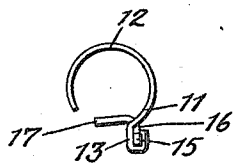


Fig. 4

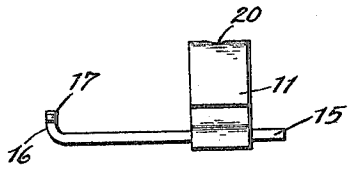


Fig. 5

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BAG-CATCH.

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To all whom it may concern:

Be it known that I, WILLIAM KLEMP, a citizen of the United States, and a resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag-Catches, of which the following is a specification.

This invention relates to that class of catches or fasteners which are used upon hand bags and the like for holding them shut except at such times as the catch or fastener is released manually in order to open the bag.

The objects of the invention are to secure an improved catch which can be readily and conveniently mounted upon a bag frame; to secure a construction of neat and pleasing appearance which will readily lend itself to ornamentation; to secure strength and durability, as well as simplicity and cheapness; to enable the parts of the catch to be riveted together after it has been applied to the bag frame; to secure the catch to the bag frame by riveting its parts together, and to obtain other advantages and results as may be brought out in the following description.

Referring to the accompanying drawings, in which like numerals of reference indicate the same parts throughout the several views, Figure 1 is a perspective view of a bag frame having my improved catch applied thereto; Fig. 2 is a cross-section of the same centrally through the catch and showing in dotted lines the position assumed by the catch in opening; Fig. 3 is a central section of the catch upon a plane extending longitudinally of the frame between its two hinged members or sections; Fig. 4 is an end view of the interior arm of the catch, showing its connection to the spring; Fig. 5 is a side view of the same, and Fig. 6 is a cross-sectional view similar to Fig. 2, illustrating a modified attachment of the interior arm to the shell of the catch.

In said drawings, 1 and 2 indicate the two sections of a bag frame hinged together as at 3, 3 and shown as each formed of sheet metal bent into channel cross-section, although obviously said sections might be of any suitable and well-known construction. One of said sections, as 1, is provided with a pull 4 and a male catch member 5, preferably arranged midway of the length of the bag frame, although it might be otherwise located if desired. The male catch member 5 comprises a projection forced or stamped upward from the top of the frame section 1 with an inclined side 6 toward the other frame section 2 and an abrupt side or shoulder 7 in the other direction. This member 5 is adapted to snap into locking engagement with the female catch member 8 on the frame section 2, when the frame sections are pressed together, and to be released by tilting the said female member 8, as is common in bag catches and shown by the dotted lines in Fig. 2.

In the specific form of the invention shown in the drawings, the female lock member 8 comprises a shell 9, which is shown substantially spherical although it might vary from this shape, open at its bottom next the bag frame to provide for the passage of means for securing it to one frame section as 2 and to provide for the reception of the male locking member 5, the edge 10 of the shell snapping over the shoulder 7 of the said male member 5, as shown in Fig. 2 more especially. The means for securing said shell 9 to the bag frame section 2 is shown as an interior arm 11 having a curved upper part 12 fitting against the interior wall of the shell, and a lower part 13 which depends through a slot 14 in the frame section 2 and is returned or hooked around a spring 15 lying longitudinally of the said section 2 at the bottom of the channel or groove therein. Said spring 15 is non-rotatably engaged by said lower part 13 of the arm 11, preferably by making the spring of rectangular cross-section or flattened and causing the returned or hooked part 13 of the arm to grip it tightly, as shown in the drawings. Said spring is at one end of itself which lies against the outer wall of the bag frame section bent to extend across the groove or channel of the section as at 16 and provided with a foot 17 which when forced to lie against the inner wall of the frame section, as shown in Figs. 2 and 3, exerts a torsional strain upon the spring tending to hold the shell 9 seated upon the bag frame sections in locked relation to the male catch member 5. At the same time, of course the shell 9 can be tilted by pressure of the thumb or finger so as to release the bag catch members and allow the bag to be opened, as will be understood.

It will be noted that the shell 9 can be applied to the arm 11 by riveting, the opening

at the bottom of the shell facilitating this, and furthermore it can be riveted thereto in any suitable manner.

In Figs. 2 and 3 I have shown a single rivet at the top of the shell with its head suitably countersunk and its inner end riveted over against the inner surface of the arm 11, the countersink being marked with reference numeral 18 and the hole in the arm to receive the rivet 19 marked with the reference numeral 20.

In Fig. 6 I have shown the shell 9 secured to the arm 11 by means of a long rivet 21 extending through the shell and arm 11 transverse to the bag frame and diametrically of the shell, the opposite ends of the rivet 21 being headed outside the shell in suitable countersunk recesses. Obviously, the shell might be otherwise secured to the arm as rendered desirable or necessary by the shape of the shell or its ornamentation.

In assembling, preferably the arm 11 is secured to the spring 15 as shown in Figs. 4 and 5 and then thrust upward through the slot 14 in the bag frame section 2, after which the shell is applied to the arm as just described.

Obviously, detail modifications may be made in manufacturing my improved bag catch without departing from the spirit and scope of the invention, and I do not wish to be understood as limiting myself except as required by the following claims when construed in the light of the prior art.

Having thus described the invention, what I claim is.

1. A tilting bag catch member comprising an arm adapted to project through a slot in a bag frame section and be tiltingly secured thereto by a torsional spring and a shell open at its bottom secured to said arm so as to inclose the same and seat at its open bottom upon the top of the bag frame around the arm, when the arm is secured to a bag frame in said manner, with a portion of the bottom opening of the shell exposed at one side of the bag frame.

2. A tilting bag catch member comprising an arm adapted to project through a slot in a bag frame section and be tiltingly secured thereto by a torsional spring in said section, a shell inclosing said arm adapted to fit against the same and seat upon the bag frame when the arm is secured thereto, and a rivet extending through said arm and shell from the inside to the outside.

3. The combination with hinged bag frame sections one of which is slotted and the other provided with a beveled shoulder, of a tilting arm extending upward from said bag frame in a plane transverse thereto and having a hooked end projecting through said slot, means securing said hooked end against withdrawal from the slot, and a shell having an open bottom secured to said arm so as to inclose the same and seat at its open bottom upon the top of the bag frame around said arm with a portion of its bottom opening exposed at one side of the frame section and adapted to receive the beveled shoulder upon the other section.

4. The combination with hinged bag frame sections one of which is slotted and the other provided with a shoulder, of an arm extending upward from said bag frame in a plane transverse thereto and having a hooked end projecting through said slot, a torsion spring held in said slotted frame section and non-rotatably engaged by said hooked end of the arm, a shell inclosing said arm and having an apertured bottom to receive the same and seat upon the bag frames when closed around the said shoulder and arm and means accessible through the aperture for securing said shell to said arm.

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