No. 630,684. Patented Aug. 8, 1899.

H. C. GOLDSMITH.

BAG HOLDER.

(Application filed Apr. 18, 1899.)

(No Model.)

FIG. 1.

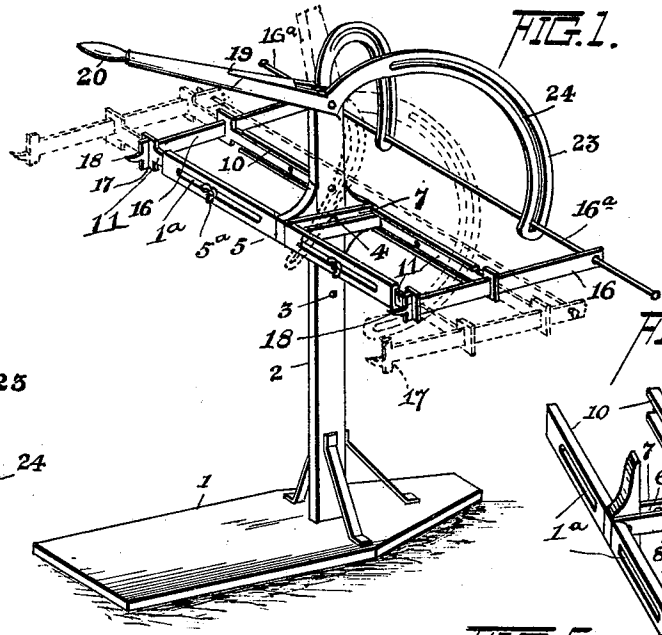


FIG. 2.

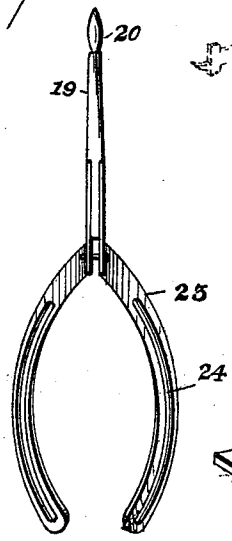


FIG. 3.

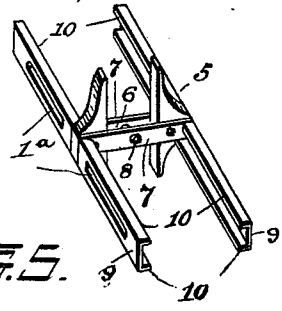


FIG. 4.

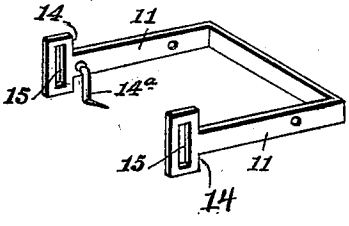


FIG. 5.

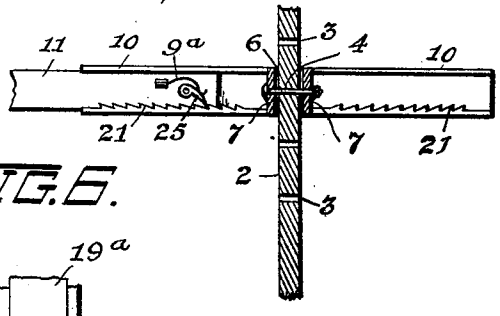
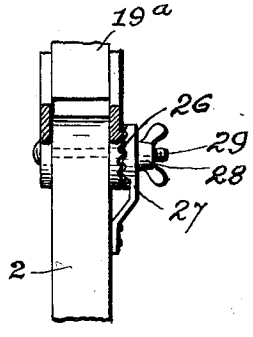


FIG. 6.



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UNITED STATES PATENT OFFICE.

HARRISON C. GOLDSMITH, OF PECONIC, NEW YORK.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 630,684, dated August 8, 1899.

Application filed April 18, 1899. Serial No. 713,495. (No model.)

To all whom it may concern:

Be it known that I, HARRISON C. GOLDSMITH, a citizen of the United States, residing at Peconic, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Bag-Holders, of which the following is a specification.

This invention relates to bag or sack holders, and particularly to a hand-lever-operated holder of novel and peculiar construction and arrangement of parts.

The prime object of the invention is to provide a bag or sack holder with a peculiar hand-lever having special connection with the bag-holder arms to extend and retract the latter.

A further object of the invention is to provide a peculiar connection between the hand-lever and one pair of arms, so that they are extended by raising the lever and retracted by depressing the lever independent of a pair of laterally-adjustable arms, both pairs of said arms holding the bag and being operated at right angles to each other to stretch open the bag-mouth and hold it so while being filled.

Other advantages and improved results attainable under the construction hereinafter to be disclosed will be appreciated in the practical application of my invention.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view showing in dotted lines the arms extended. Fig. 2 is a front view of the lever. Fig. 3 is a perspective view of the frame. Fig. 4 is perspective view one of the lateral or transverse arms. Fig. 5 is a section of a modified form of frame and transverse arm. Fig. 6 is a detail view of a modification, showing means for holding the hand-lever in adjusted position.

The same numeral-references denote the same parts throughout the several views.

The base 1 and post or standard 2 are of ordinary construction, the latter having holes 3 for a bolt 4, by means of which the frame 5 is adjusted vertically. This frame has an opening 6 for the standard 2 and comprises cross members 7, having a hole 8 for the bolt 4 and lateral members 9, provided with inturned flanges 10. The members 9 each have a slot 1^a, through which thumb-screws 5^a are worked to fix the lateral or transverse arms 11 adjustably to the members 9 between the flanges 10.

The arms 11 are joined together at one end, and the other end is enlarged to form shoulders 14, the latter end of each arm having a slot 15 and a bag-hook 14^a.

The arms 16, which are moved in the slots 15 at right angles to the arms 11, have a rod 16^a working through one end by means of which the arms 16 are connected, and the other ends of these arms have a shoulder 17 and a bag-hook 18. The shoulders of the arms 11 and 15 limit the inward or retracted movement of the arms.

The arms 16 are operated by a hand-lever 19, which consists of a suitable handle 20 and diverging cam members 23, each having a slot 24, through which the rod 16^a extends, so that every movement of the lever 19 is imparted to the arms 16, and they are free to slide in the ends of the arms 11, whether the latter be extended or retracted, upon moving the lever 19.

Instead of the thumb-screws 5^a the lower flanges of the frame members 9 may have teeth 21, engaged by a pawl 25, controlled by a spring 9^a on lateral arms 11, as shown in Fig. 5.

In the modification shown in Fig. 6 one side of the lever 19^a has a corrugated face 26 at its pivot-point with the standard 2, and the latter is provided with a like-faced spring-bracket 27, controlled by the nut 28 on the pivot-bolt 29. It is obvious that when it is desired to keep the lever in one position the nut 28 is screwed up, which meshes the corrugated faces.

In using the holder a bag or sack is hung upon the hooks 14^a and 18, the arms 11 are extended to stretch the bag-mouth laterally, and the lever is pushed back, which extends the arms 16 and stretches the mouth of the bag open. To remove the bag, the lever has simply to be pulled forward, which retracts the arms 16, it being unnecessary to move the arms 11 when set for one-size bags until another size is to be filled.

It is obvious that owing to the holder being capable of adjustment in three directions bags and sacks of various lengths and widths may be firmly and securely held for filling.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. In a bag-holder, the slidable arms, means for supporting them, the hand-lever having diverging slotted cam members, and the rod working through said arms to connect them, and upon which said members are operated to extend and retract the said arms.

2. The combination with a suitable standard, of the frame vertically adjustable on the standard, arms adjustable in the frame, the arms slidable in the adjustable arms, the hand-lever pivoted to the standard and having slotted cam members, and means connecting the slidable arms with said members to slide the arms.

3. In a bag-holder the combination, with the vertically-adjustable frame, arms having bag-hooks and adjustable in the frame, and arms having bag-hooks and slidable in the ends of the adjustable arms, of the rod working in the ends of the slidable arms and connecting them, and the hand-lever having slotted cam members and working on said rod to slide the latter arms.

4. The combination, with the support, of the frame adjustable upon the support and having inturned flanges, the arms adjustably held between the flanges and having enlarged slotted ends, and the arms slidable in and at right angles to the said slotted ends of the adjustable arms, the hand-lever having cam members, and means connecting said members to the slidable arms to operate the latter.

5. The combination of the frame, arms adjustable in the frame, means for securing said arms in adjusted position, the arms slidable in and at right angles to the adjustable arms, and the rod connecting the slidable arms, with the hand-lever having diverging members engaging said rod, and means to hold the said lever at various positions to control the said slidable arms.

In witness whereof I hereunto set my hand in the presence of two witnesses.

HARRISON C. GOLDSMITH.

Witnesses:
B. C. HORTON,
J. S. FLEET.