

(No Model.)

F. HAYDON.
BAG HOLDER.

No. 356,198.

Patented Jan. 18, 1887.

Fig. 1.

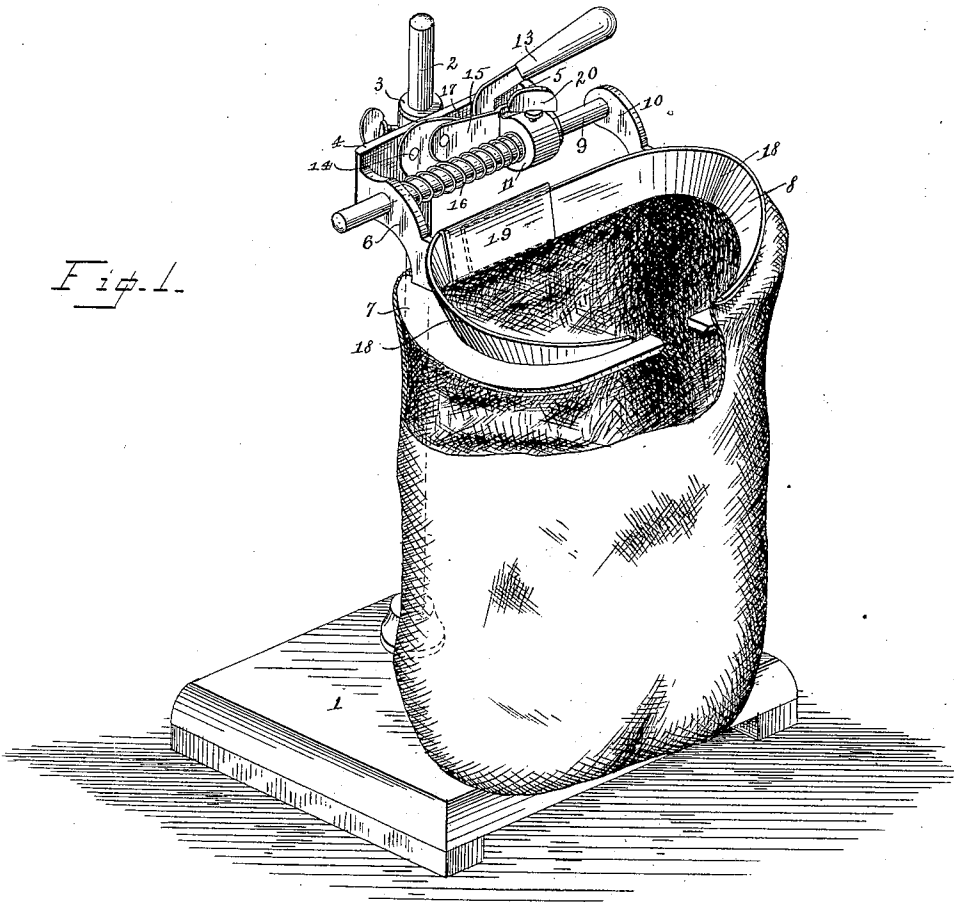


Fig. 2.

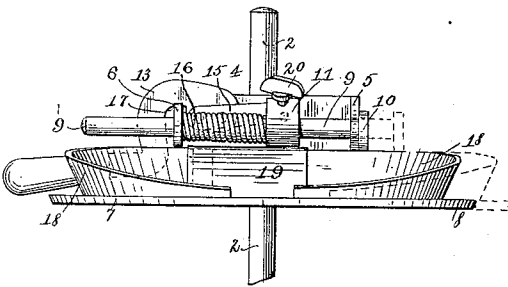
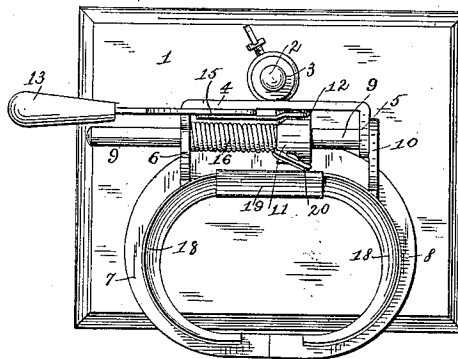


Fig. 3.



Witnesses:

E. Smith
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UNITED STATES PATENT OFFICE.

FREDERICK HAYDON, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR OF ONE-HALF TO WILLIAM H. HOCKENSMITH, OF SAME PLACE.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 356,198, dated January 18, 1887.

Application filed August 2, 1886. Serial No. 209,765. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK HAYDON, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Bag-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to produce a bag-holder which may be adjusted to all sizes and styles of bags, which may be thrown to its extended position by a single movement, and in which the arms bear with equal pressure upon all sides of the bag, the movement in expanding a bag being in a straight line, so that the bag is held firmly by the arms without the use of jaws, hooks, or any auxiliary devices. It is essential, of course, in devices of this class that they shall be simple in construction, economical in cost, and practically impossible to get out of repair.

With these ends in view, I have devised the novel construction of which the following description, in connection with the accompanying drawings, is a specification, numbers being used to indicate the several parts of the device.

Figure 1 is a perspective illustrating my invention in use, a portion of the bag being broken away; Fig. 2, a front elevation showing the parts in the retracted position; and Fig. 3 is a plan view, also showing the parts in the retracted position and adjusted to hold a small-sized bag.

1 is the base and 2 the standard, which may be of any preferred construction, as they form no portion of my present invention.

3 denotes a hub or body, by which the operative parts of the device are carried, and which is adjustable upon the standard by means of a set-screw, or in any suitable manner.

4 is a cross-piece having a lug, 5, and bracket 6, made integral with or attached thereto.

7 and 8 denote the two arms which hold the bag, the former being rigidly secured to bracket 6 and the latter carried by a bracket, 10, attached to a rod, 9, which slides freely through openings in lug 5 and bracket 6.

11 is an adjusting-block upon rod 9, which

is adjustably secured thereto in any suitable manner, preferably by a set-screw, 20, as shown. This block is provided with an angular projection, 12, which bears against the cross-piece to prevent it from turning on the rod.

13 is an operating-lever, which is pivoted to the cross-piece, as at 14, and 15 is a link pivoted to the adjusting-block, and also to the operating-lever at sufficient distance from the pivotal point thereof to give the necessary throw to the sliding arm.

16 is a coiled spring upon the rod, one end of which bears against the adjusting-block and the other against bracket 6, its action being to throw the sliding arm to its extended position.

The operating-lever is provided with a notch, 17, which engages bracket 6 when the parts are in the retracted position, and locks them in such position against the power of the spring. When the parts are in the extended position, as in Fig. 1, pivot 14 and the two pivots securing the link to the lever and to the adjusting-block are in line with each other, so that the parts are effectually locked in that position.

18 denotes flanges upon the arms, which serve the purposes of a funnel when grain or any other substance is being poured into the bag. The flange upon the sliding arm extends beyond the arm some distance at the back and passes into a guide, 19, which is secured to the stationary arm, said flange and guide serving, in connection with projection 12 on the adjusting-block, to hold the sliding arm firmly in position, and to prevent it from becoming sprung in use.

When it is desired to adjust the device to different-sized bags it is simply necessary to loosen set-screw 20. This permits rod 9 to slide freely through bracket 6, the adjusting-block, and lug 5, and enables the operator to place the arm at any desired position. Having gained the desired adjustment, the parts are locked in that position by simply tightening set-screw 20. As shown in Figs. 2 and 3, the device is placed at the smallest adjustment possible, the ends of the two arms being in contact in the retracted position. To adjust the device for a larger-sized bag, arm

8 will simply require to be moved from the position shown a little toward the right.

It will of course be apparent that the details of construction may be considerably varied without departing from the spirit of my invention.

I claim—

1. The stationary arm, arm 8, and sliding rod 9, by which it is carried, in combination with a block adjustably secured to said rod, an operating-lever, and a link pivoted to said lever and said block.

2. The stationary arm, arm 8, and a sliding rod by which it is carried, in combination with a spring which acts to throw arm 8 outward to its extended position, and an operating-lever and link connected to said rod, whereby arm 8 is retracted and locked in that position.

3. The cross-piece having a bracket and lug, a stationary arm upon said bracket, an arm, 8, and a rod which slides in said bracket and lug, in combination with an operating-lever, and a link connected to said lever and to the sliding rod, which moves the sliding arm outward in a straight line, so that the pressure is equal upon all portions of the bag.

4. The cross-piece having lug 5 and bracket 6, the stationary arm, arm 8, and a rod sliding in said lug and bracket, by which arm 8 is carried outward from the stationary arm in a straight line, in combination with a pivoted

operating-lever, an adjustable block on said rod, and a link pivoted to said lever and to said adjustable block, as and for the purpose set forth.

5. The cross-piece having a bracket and lug, the stationary arm, an arm, 8, and a rod which slides in said lug and bracket, in combination with an operating-lever having a notch, 17, which engages the bracket to lock the parts in the retracted position, a link pivoted to said lever and rod, and a spring, 16, which acts to throw the parts to the extended position.

6. The stationary arm having a guide, 19, arm 8, and sliding rod 9, having an extended flange engaging said guide, in combination with an operating-lever, block 12 on said rod, and a link connected to said lever and to the sliding rod.

7. In a bag-holder, an adjustable hub and a cross-piece having a bracket, 6, lug 5, and an arm carried by said bracket, in combination with a sliding arm, a rod sliding through said lug and bracket, and a bracket, 10, upon said rod, by which the sliding arm is carried.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK HAYDON.

Witnesses:

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W. H. HOCKENSMITH.