(No Model.)

D. LA BAR & H. W. PATTON.

BAG HOLDER.

No. 343,276. Patented June 8, 1886.

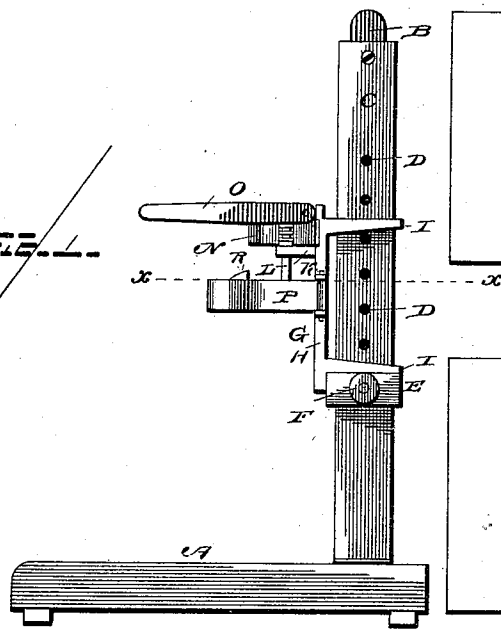

FIG. 1.

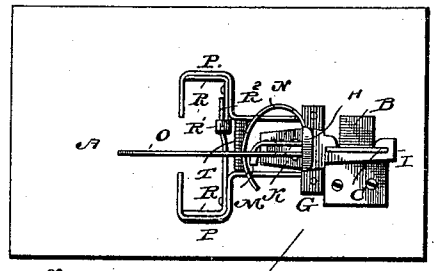

FIG. 2.

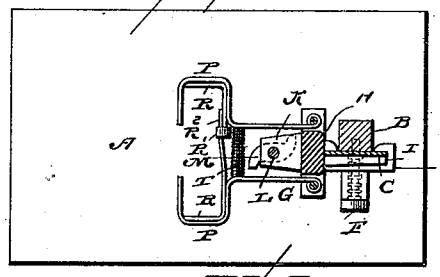

FIG. 3.

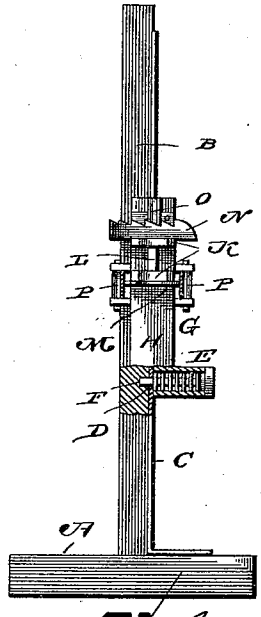

FIG. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

DAVID LA BAR AND HIRAM WELLMAN PATTON, OF WATERVILLE, OHIO.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 343,276, dated June 8, 1886.

Application filed February 15, 1886. Serial No. 192,028. (No model.)

To all whom it may concern:

Be it known that we, DAVID LA BAR and HIRAM WELLMAN PATTON, citizens of the United States, residing at Waterville, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Bag-Holders, of which the following is a specification, reference being had to the accompanying drawings.

Our invention relates to an improvement in bag-holders; and it consists in the peculiar construction and combination of parts, that will be hereinafter more fully set forth, and particularly pointed out in the claims.

In the drawings, Figure 1 is a side elevation of our invention. Fig. 2 is a top plan view of the same. Fig. 3 is a horizontal section taken on the line *x x* of Fig. 1. Fig. 4 is an elevation at right angles to Fig. 1, partly in section.

A represents a suitable base or platform, at one end of which is a vertical standard, B. On one side of this standard is secured a metallic plate, C, the edges of which project beyond the opposite sides of the standard, so as to form flanges therefor. This plate C is provided with a vertical series of openings, D.

E represents a metallic keeper, which fits over the flanges of the plate and slides on the face of said plate, the said keeper being provided with a spring-actuated locking-bolt, F, which engages with either of the series of openings D, so as to lock the keeper to the standard at any desired point.

G represents a casting or head, which comprises the vertical plate H, from the rear side of which project the horizontal arms I, which are slotted to receive the flanged edges of the plate, and are adapted to slide vertically thereon, the lower of the said horizontal arms resting on the keeper E, and being supported thereby.

From the front side of the plate H project lugs K, which are located near the upper end of the plate. Openings are made in the outer ends of these lugs, in line with each other, and through these openings passes a vertical shaft, L. To the lower end of this shaft is fixed a double cam, M.

N represents a curved arm, which is secured to the upper end of the plate H, and is provided on its upper edge with a series of ratchet-teeth. A lever, O, is pivoted to the upper end of the shaft L, and engages by gravity with the series of ratchet-teeth, so as to lock the shaft at any desired point.

P represents holder-arms, the inner ends of which are hinged on opposite sides of the plate H, and the outer ends of which are bent in the form of a rectangle, as shown in Fig. 2, and thereby adapted to receive and distend the mouth of the bag.

Guard-plates R are secured to the inner sides of the outer rectangular portions of the arms P, the upper edges of the said guard-plates extending for a suitable distance above the upper edges of the said arms. One of the guard-plates has on its inner end a loop, R′, which receives the extended end R^2 of the other guard-plate, so that when the arms P are moved toward or from each other the extended end R^2 will move back and forth on the opposite guard-plate, and thus serve to keep the space between the arms P always closed.

The mouth of the bag to be filled is placed over the outer rectangular ends of the arms P, and the shaft L is partly rotated by means of the lever O, so as to cause the outer ends of the double cam to bear against the arms P and move them outwardly to stretch the mouth of the bag, and thereby secure it firmly to the holder. The lever O, by engaging with the ratchet-teeth of the curved arm, secures the holder-arms in their distended position while the bag is being filled.

By moving the keeper up or down, the bag-holding device may be adjusted vertically on the standard to any desired height, according to the length of the bag. A coiled retractile spring, T, has its ends secured to the holder-arms, so as to draw them together to cause them to release the bag when the cam is released from the holder-arms.

The guard-plates R serve the purpose of preventing the grain or other material which is being poured into the bag from passing over the upper end thereof and dropping onto the floor.

Having thus described our invention, we claim—

1. The combination, in a bag-holder, of the pivoted holder-arms, the cam for spreading

them apart, and the spring for drawing them together when the cam is released, substantially as described.

2. The combination, in a bag-holder, of the pivoted holder-arms, the cam for spreading them apart, the ratchet bar or arm, and the pivoted lever secured to the cam for engaging with the ratchet-bar, and thereby locking the cam at any desired point, to keep the holder-arms distended, substantially as described.

3. In a bag-holder, the combination of the standard and the head G, vertically movable thereon, the said head having the pivoted holder-arms, the cam for spreading them apart, the ratchet bar or arm, and the pivoted lever secured to the cam for engaging with the ratchet-bar, and thereby locking the cam at any desired point, to keep the holder-arms distended, substantially as described.

4. The combination of the vertical standard having the vertical series of openings, the sliding keeper E on the said standard, having the spring-actuated locking-bolt F, for engaging with the openings, and the vertically-movable head G, provided with holder-arms and mounted on the standard, and resting on and supported by the keeper, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

DAVID LA BAR.
HIRAM WELLMAN PATTON.

Witnesses:
SIMPLE THOMAS MOSBY,
C. W. SHOEMAKER.