

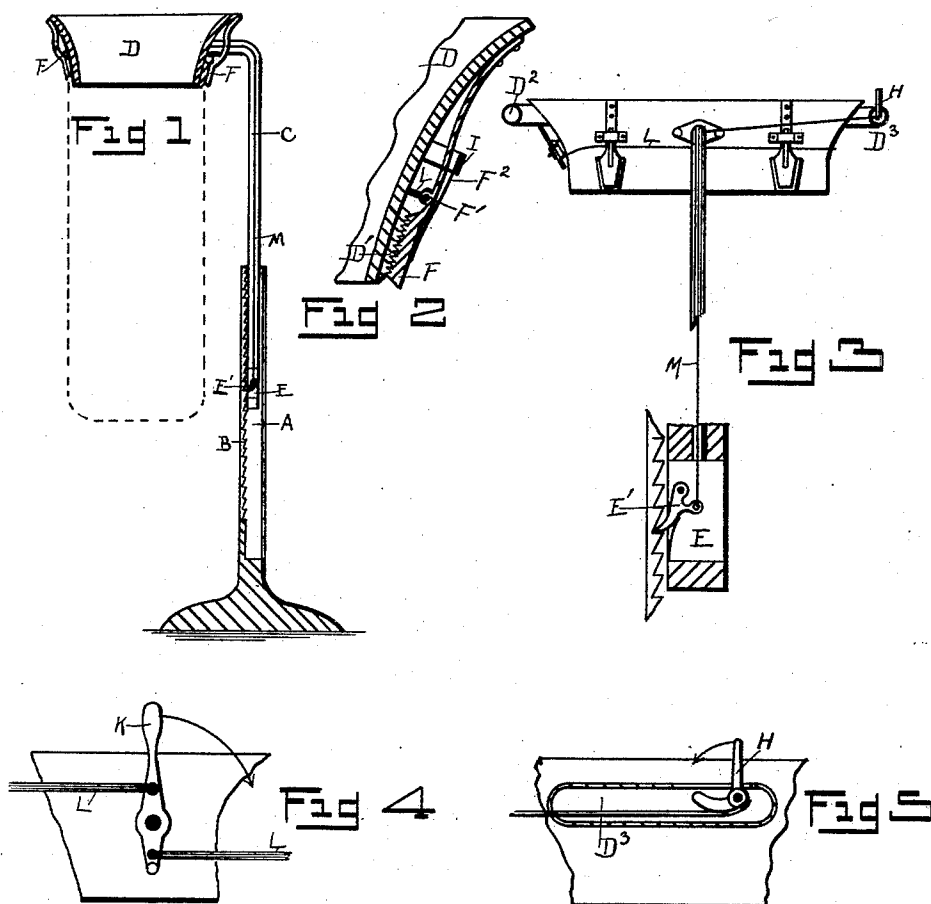
(No Model.)

2 Sheets—Sheet 1.

J. KYLE.
SACK HOLDER.

No. 469,255.

Patented Feb. 23, 1892.



WITNESSES:

C. A. Buttin
Frank Chynsh.

John Kyle

INVENTOR

BY

E. M. Sues

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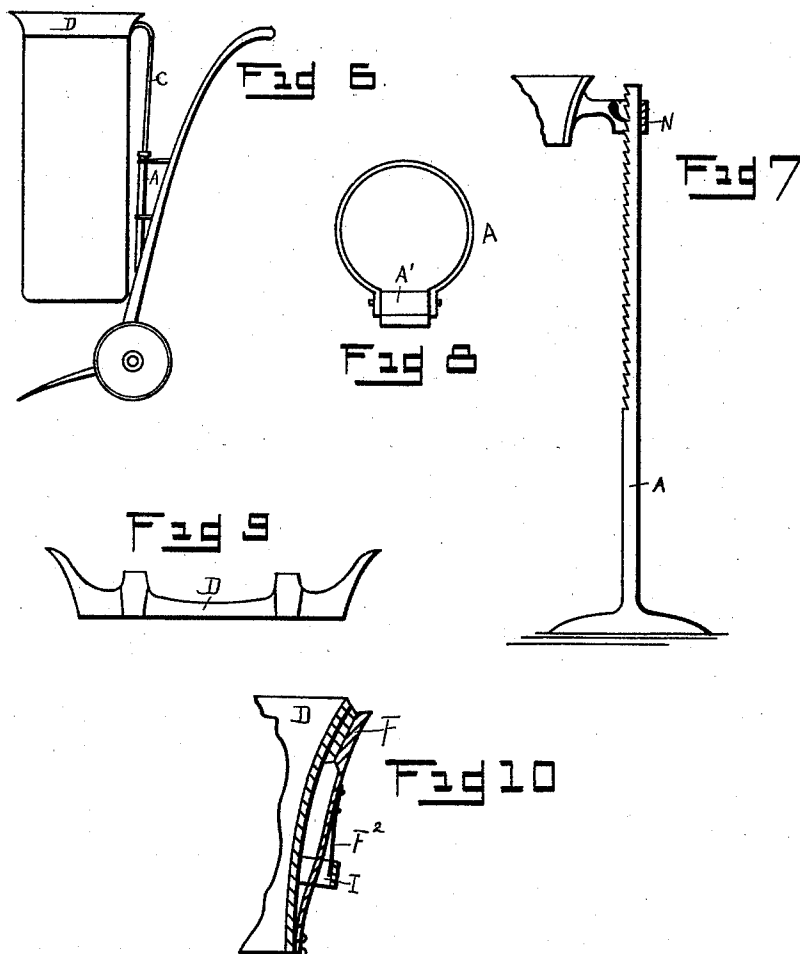
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WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN KYLE, OF OMAHA, NEBRASKA.

SACK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 469,255, dated February 23, 1892.

Application filed April 23, 1891. Serial No. 390,778. (No model.)

To all whom it may concern:

Be it known that I, JOHN KYLE, of Omaha, in the county of Douglas and State of Nebraska, have invented certain useful Improvements in Sack-Holders; and I do hereby declare that the following is 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, reference being had to the accompanying drawings, which form a part of this specification.

This invention has relation to a new and useful improvement in sack-holders.

The object of this invention is, first, to provide a sack-holder that shall be simple of construction, adjustable, and embody means whereby the sack may be detachably secured to the holder, and, second, to provide means for readily lowering and raising said holder when the sack is being filled; and in furtherance of this object the invention consists in the construction, combination, and arrangement of parts, as hereinafter more fully described, and finally pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 shows a sectional elevation of a sack-holder embodying my improvement. Fig. 2 is an enlarged detail of one of the clamps. Fig. 3 illustrates the arrangement of the pawl and rack. Fig. 4 is a front view of the lever used in operating the clamps. Fig. 5 shows the arrangement of the cammed lever used in releasing the pawl. Fig. 6 shows my improved sack-holder as mounted upon a suitable truck. Fig. 7 represents an elevation of a modification, of which Fig. 8 shows a cross-section. Fig. 9 represents the arrangement of a skeleton frame in place of the solid hopper shown in Fig. 1, while Fig. 10 shows the clamp as arranged so that it will hold the sack from above.

Similar letters of reference refer to corresponding parts.

A in the drawings represents a suitable hollow standard, which may be connected to a weighted base or to a truck, as shown in Fig. 6. This standard or stem preferably comprises an iron tube, which is split and provided with an inwardly-extending rack B, which forms a part thereof. Working within

the stem A is the adjustable rod C, preferably hollow, which is provided at the upper end with a flaring shoulder, by means of which said rod is riveted to the sack-holder D. At the lower end the rod is provided with a slotted shoe E, within which is pivoted the spring-actuated pawl E'.

The sack-holder D is further provided with two or more serrated lugs D' D', integral therewith, upon which the jaws of the spring-clamps F are adapted to bind. At the side the holder is provided with two hollow handles D² and D³, the one marked D³ having a pivoted cammed releasing-lever H, as shown in Fig. 5. The clamps F F are pivoted at one end and provided centrally with a suitable eye F' and upon the outside with the spring F², which is adapted to work against the strap I, and thus binds the springs against their lugs, as will be understood by referring to Figs. 2, 3, and 10.

Below the handle D² the holder is provided with the pivoted locking-lever K, which is provided with a wire or cord L, passing around the holder and through the eyes F' of the clamps F, the ends of said cord being attached to the locking-lever K, one above and the other below the pivotal point, as illustrated in Fig. 4. The lever is locked by being carried downward a little more than ninety degrees, so that the ends are carried below the center and slightly bind upon one another.

Extending from the pawl E' within the shoe E is a wire M, which passes through the hollow rod C and handle D³ to the cam of the releasing-lever H, as will be understood by referring to Fig. 5.

When all the parts have been properly constructed and assembled, the operation of my device is as follows: When the sacks are to be filled, they are drawn over the holder and between the clamps F, which are disposed about said holder in pairs. When the sack has been properly adjusted, the clamps are locked by means of the pivoted locking-lever K, which is forced downward in the direction of the arrow, so that the length of the wire L is reduced, and thus all the clamps are simultaneously forced or locked against their seatings, securely impinging the sack, which may now be filled. In adjusting the holder to dif-

ferent heights the operator grasps the handles $D^2 D^3$, and in doing so the lever II is forced downward, dragging the connected wire L with it, and thus releasing the attached pawl E' , so that the holder may be raised or lowered to any desired point.

All the parts are simple of construction, adjustable, and readily operated.

In Fig. 7 I have shown a modification wherein I eliminate the rod C in extending the standard A to the desired height and providing the same with an outwardly-extending rack A' , which is encompassed by the collar N. This collar is provided with a pawl, which is operated as has been described.

Fig. 9 shows the holder or hopper part in the shape of a skeleton frame provided with suitable jaws, to which the clamps F are attached as described, but in a reversed position, as illustrated in Fig. 10.

Having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—

1. In a sack-holder, the combination, with a supporting-standard, of an adjustable rod working within said standard, provided at the upper end with a sack-holder, spring-actuated clamps disposed about said holder and provided with eye-openings adapted to accommodate an encircling cord, and an oper-

ating-lever adapted to simultaneously close, lock, and release said clamps, all substantially as and for the purpose set forth.

2. In a sack-holder, the combination, with a supporting-standard, of an adjustable hollow rod working within said standard, provided at the lower end with a spring-actuated pawl and at the upper end with a sack-holder provided with a handle, a lever working within said handle, provided with an operating-strand connected to said pawl, and a series of spring-actuated bag-clamps disposed about said holder, adapted to be simultaneously locked and released, substantially as and for the purpose set forth.

3. In a sack-holder comprising a hollow standard, the combination of the following instrumentalities, to wit: an adjustable rod provided with a sack-holder at the upper and a spring-actuated pawl at the lower end, a hollow handle connected to said holder, provided with a cammed lever, and a cord connecting said lever and pawl, all substantially as and for the purpose set forth.

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

JOHN KYLE.

Witnesses:

G. W. SUES,

A. C. WILSON.