

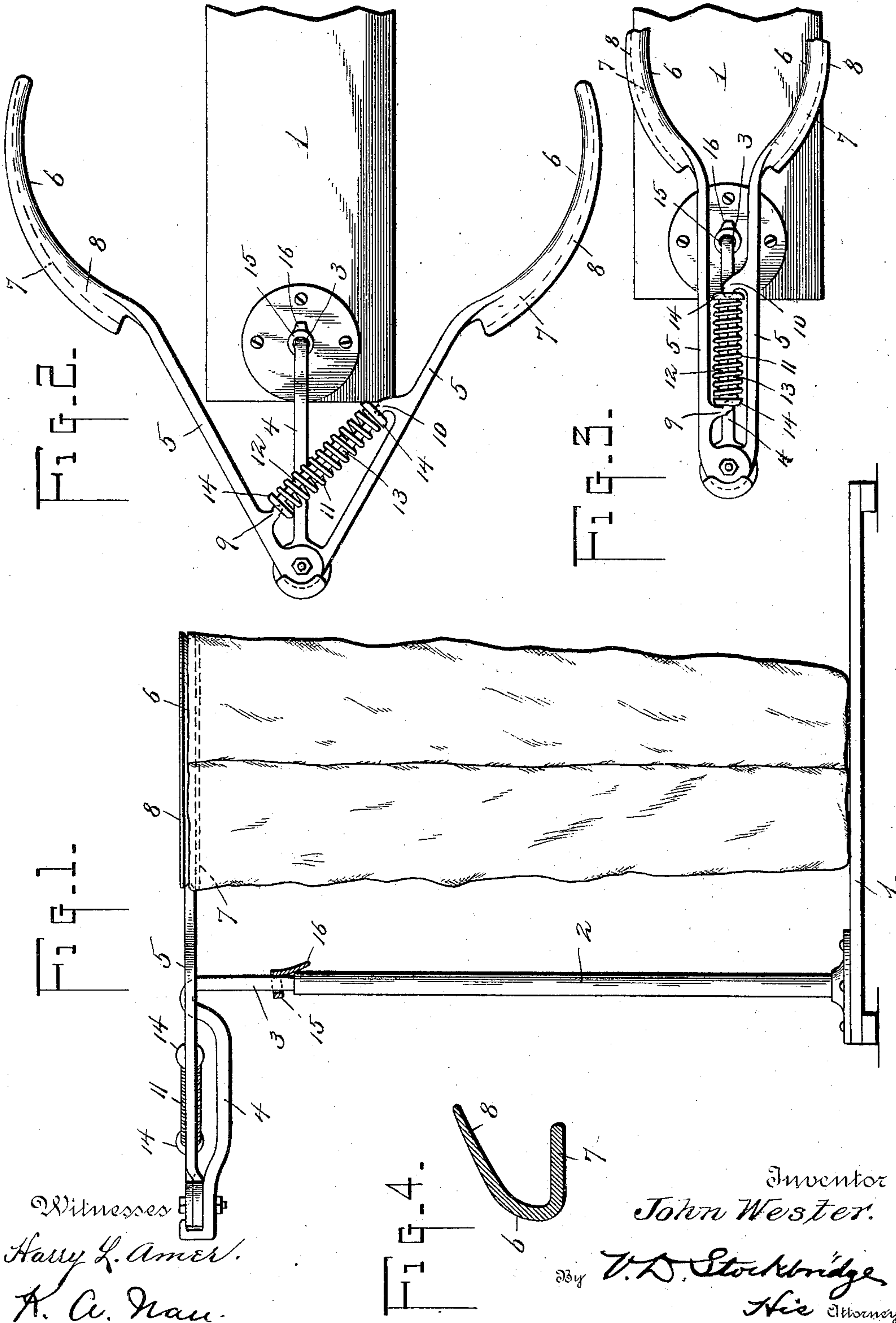
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J. WESTER.
SACK HOLDER.

(Application filed Mar. 30, 1899.)

(No Model.)



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UNITED STATES PATENT OFFICE.

JOHN WESTER, OF TRIUMPH, MINNESOTA.

SACK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 639,120, dated December 12, 1899.

Application filed March 30, 1899. Serial No. 711,144. (No model.)

To all whom it may concern:

Be it known that I, JOHN WESTER, a citizen of the United States, residing at Triumph, in the county of Martin and State of Minnesota, have invented certain new and useful Improvements in Sack-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 relates to sack or bag holders.

The object of the invention is to provide a convenient means for holding a bag or sack while it is being filled, and particularly to hold the bag-supporting jaws in their operative or extended position by means of a strong spring which is so arranged that when the jaws are closed or brought toward each other the same spring will hold them in the closed position.

Another object is to provide means for adjusting and holding the head and jaws at any desired elevation in a convenient manner and at the same time permit the spindle to be rotated or swiveled in the standard.

A further object is to provide jaws which will hold the sack without serrations or teeth, which have the effect of chafing and injuring the fabric of the bag.

To this end my invention consists in the combination of a suitable pedestal or base, a tubular standard extending upward from the base, a spindle telescopically coupled with the standard having a lateral arm, a pair of arms or jaws pivotally connected with the arm of the spindle, a spring device coupled with the arms or jaws in such way that when the arms are closed or brought near together they will stand at rest, but when slightly distended the spring will operate to throw the arms and jaws outward to grasp the interior of the mouth of the bag.

The invention also consists in the combination, with the standard and spindle, of a friction-clutch for automatically grasping, holding, and swiveling the spindle at any desired elevation.

The invention also consists in providing the arms with jaws having double flanges, the

bottom flanges of the jaws serving to grasp the mouth of the bag and hold the same, while the upper flanges project over the top of the edge of the bag.

In the drawings forming a part of this specification, Figure 1 is an elevation showing my improved bag-holder as applied to use, the friction-clutch for grasping the spindle being shown in section. Fig. 2 is a top or plan view showing the arms and jaws in their outward or extended position. Fig. 3 is a similar view showing the arms in their closed position. Fig. 4 is a detail section through one of the jaws, showing the form of the flanges.

1 is a pedestal or base upon which is mounted and firmly secured a tubular standard 2. Telescopically connected with this standard is a spindle 3, having a lateral arm 4. This arm as it extends from the spindle part first projects downward somewhat, then in a horizontal plane, and then upward to its extremity, as shown in the drawings. The extremity is provided with a head, and pivotally connected with the head are bag-holding arms 5 5, having at their operative extremities curved jaws 6 6, the jaws being formed or provided with horizontal flanges 7 7 for grasping the bag and with inclined flanges 8 8 to extend over or outside the mouth of the bag. One of the arms is provided with a horn or projection 9 near its pivotal point, and the other arm is provided with a similar projection or horn 10 at a greater distance from its pivot. A powerful spring 11 is operatively coupled with the projections 9 and 10 through the medium of relatively movable parts 12 and 13 for throwing the arms and jaws apart, as shown in Fig. 2 of the drawings, and also for holding the arms and jaws in closed position, as shown in Fig. 3 of the drawings. The relatively movable parts 12 and 13 are provided with heads or shoulders 14 14, having sockets or recesses to fit on the horns 9 and 10. As shown in the drawings, the movable parts consist of half-round segments of a cylinder adapted to slide one upon the other. Obviously the movable parts may be arranged to operate telescopically one within the other, if preferred. The spring for operating the

jaws is provided with space for movement across the lateral arm by reason of the bend in said arm.

15 is a friction-clutch consisting of a ring 5 loosely fitted on the spindle provided with an arm or finger piece 16, having its inner surface inclined so as to impinge upon the top of the standard and when resting against the top causes the ring to grasp or bite the spindle 10 and hold the same at any point to which it may be elevated. The finger-piece serves for manual operation to release the spindle and permit it to be lowered.

Having described my invention, what I 15 claim as new, and desire to secure by Letters Patent, is—

1. In a bag-holder, the combination of a standard, a spindle having a lateral arm telescopically coupled with the standard, a pair 20 of grasping-jaws pivotally connected with said arm, and a spring coupled with the jaws

at different distances from their axis for holding them open and closed, substantially as described.

2. In a bag-holder, the combination of a 25 pair of vibratory jaws provided with horns or projections at different distances from the axis of motion of said jaws, and a spring device operatively connected with said projections for distending the jaws and for holding 30 them in closed position, substantially as described.

3. In a bag-holder, a pair of vibrating arms carrying curved jaws, each provided with a horizontal bag-holding flange, and an inclined 35 upper flange, substantially as described.

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

JOHN WESTER.

Witnesses:

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