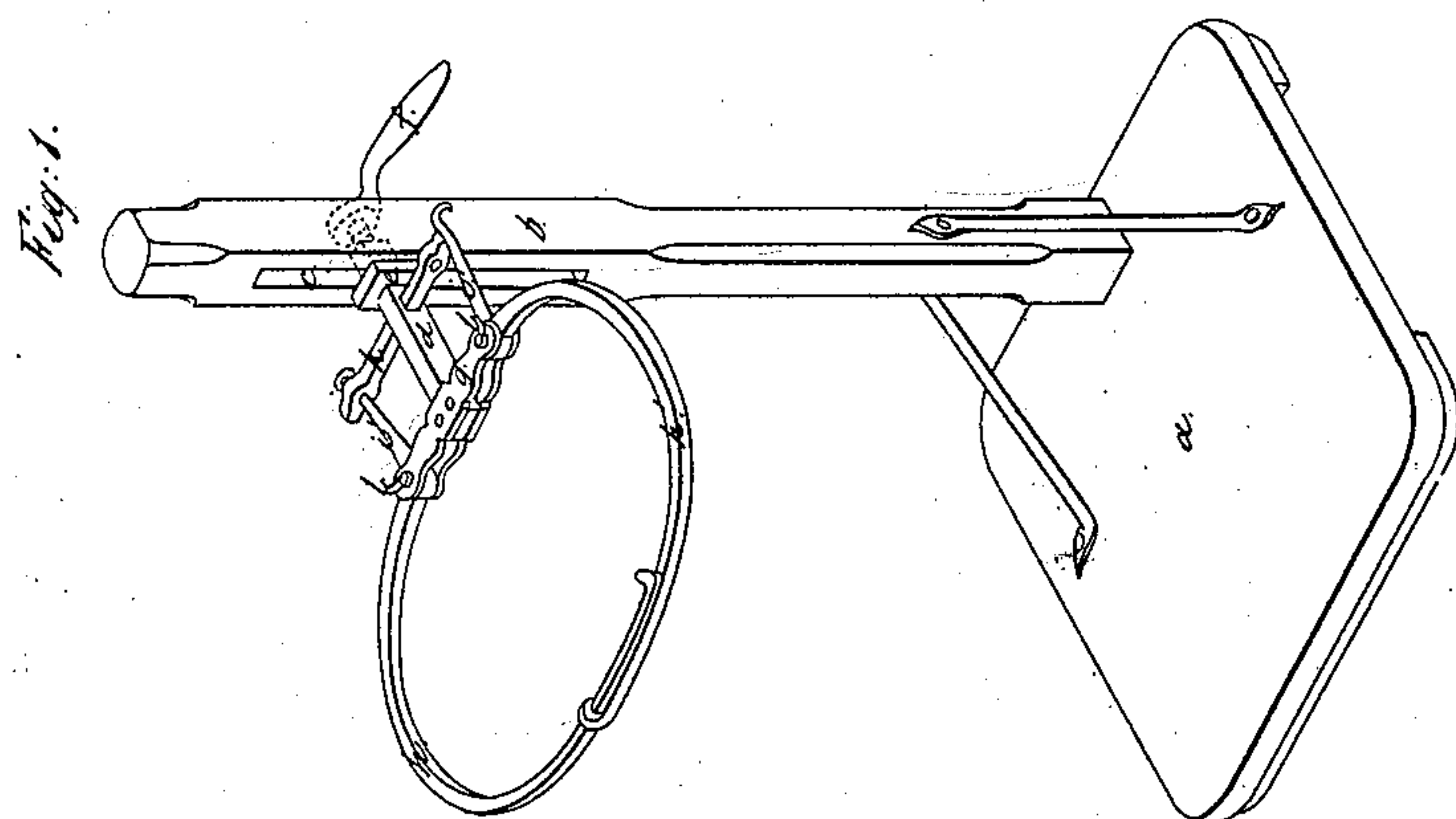
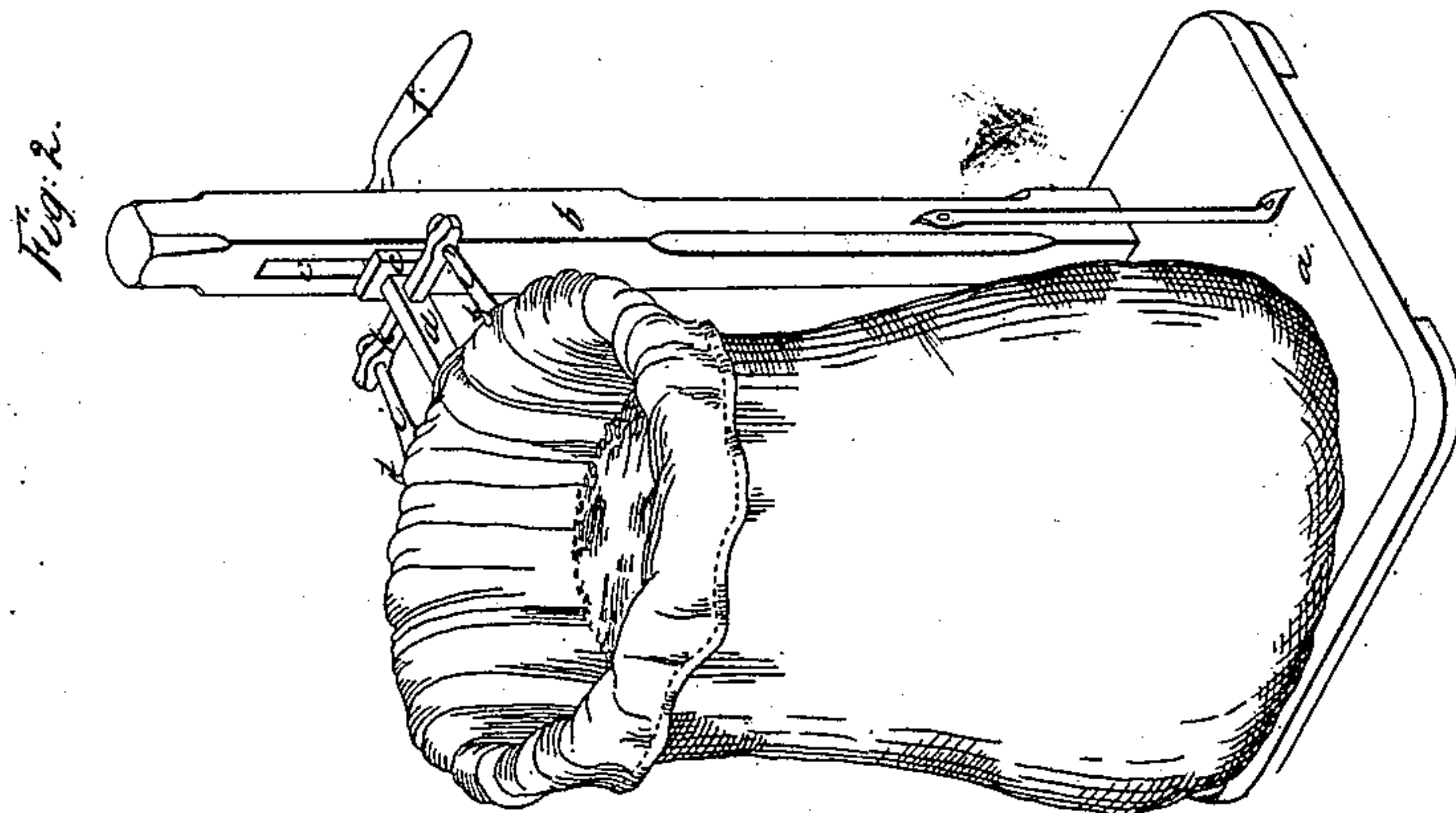


J. ROBINSON.
MACHINE FOR HOLDING OPEN BAGS AND SACKS.
No. 36,423. Patented Sept. 9, 1862.



Witnesses
McDermott
M. G. Cushing

John Robinson Inventor
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UNITED STATES PATENT OFFICE.

JOHN ROBINSON, OF NEW WILMINGTON, PENNSYLVANIA.

MACHINE FOR HOLDING OPEN BAGS AND SACKS.

Specification of Letters Patent No. 36,423, dated September 9, 1862.

To all whom it may concern:

Be it known that I, JOHN ROBINSON, of New Wilmington, in the county of Lawrence and State of Pennsylvania, have invented a new and useful Machine for Holding Open Bags and Sacks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing, forming part of this specification, in which—

Figure 1, is a perspective representation of my improved machine. Fig. 2, is a perspective representation of my machine when in use.

The object of my invention is to provide a convenient machine, by which bags or sacks may be held in a vertical position, with their mouths open to receive the grain or other article to be deposited therein.

To enable others skilled in the art to construct and use my machine, I will proceed to describe its construction and operation.

The frame of the machine consists of a platform *a* from one side of which rises a vertical post or standard *b* of suitable height. In the upper part of this standard *b* is a vertical slot *c* through which projects horizontally the squared end of the handle *d* of the bag holder; a flanch *e* on the handle *d* rests against the side of the standard *b* on either side of the slot *c* against which it is pressed by a nut *f* screwed on the end of the handle *d* which projects through the slot in the standard. The handle may thus be slid up and down in the slot in the standard, to adjust it at any required height to accommodate the size of bag to be filled, and fastened by the nut *f* at the desired point. At the front end of the handle is a T head or cross piece *g* at either end of which is the fulcrum or turning point of one of the arms *h h'* of the bag holder. From the extremities of the T head, the arms branch out, and are curved, so as to overlap each other in front, and form with T head a circular or elliptical ring, as seen in Fig. 2. The extremity of one arm *h'* is bent around the other arm *h*, so as to permit of the arm *h* slipping through the eye thus formed in the end of the other arm *h'*. To each of the arms *h h'* at its pivot in the T head *g* is rigidly attached a short lever *i i'* which is nearly parallel to the handle *d* or at right angles to the conjugate or long axis of the elliptical ring *h h'*. The extremities of the levers *i i'* are connected by a spring

k either of india rubber, or a coiled spiral spring, which may pass over or through the handle *d*. The effect of this spring is to draw the ends of the levers *i i'* together, causing the arms *h h'* to spread and increase the diameter of the elliptical ring.

When the machine is not in use, or it is designed to remove a bag after it has been filled, one of the levers *i'* is released from the spring *k* and then the arms *h h'* can readily be pressed together, so as to release the bag or sack.

At each end of the T head near the pivots of the arms *h h'* are hooks which are intended to hold up the bag when filled, on pressing in the arms *h h'*, and keep it in place on the elliptical ring.

Having thus described the construction of my improved bag holder, I will proceed to explain more fully the method of its operation.

The handle *d* being set at such a height in the standard *b* by means of the nut *f* at the end of the handle *d* that the lower end of the bag may just touch the platform *a*, while the edges of the bag at its mouth are inserted in the elliptical ring formed of the arms *h h'* and lapped over the ring, the hooks *l, l'*, being passed through the side of the bag at the T *g* so as to hold it firmly at that point. The spring *k* is then secured to the extremity of the lever *i'* which draws the ends of the levers *i i'* toward each other, opening out the arms *h h'* of the elliptical ring over which, the mouth of the bag is turned, thus stretching the bag open as wide as it will admit of. The bag may then be filled with ease, and when full, the levers are released from the spring, or the arms *h h'* are forced together so as to admit of the bag being removed from the ring.

The convenience of this bag holder is very great as it obviates the necessity of having one person to hold the bag open, while another is filling it.

What I claim as my invention and desire to secure by Letters Patent is—

The bag holder constructed substantially as described of the arms *h h'* pivoted to a handle, *d* projecting from a standard *b*, whether so arranged as to be adjusted to any height or not.

JOHN ROBINSON.

Witnesses:

JOHN E. LAYTON,
THOMAS POMEREY.