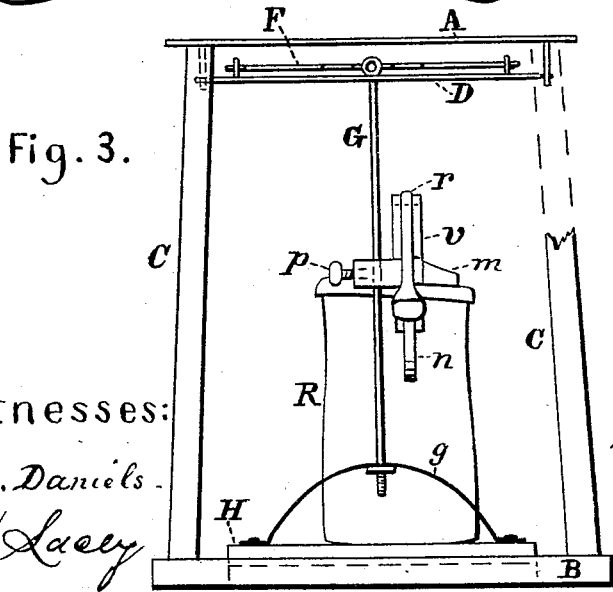
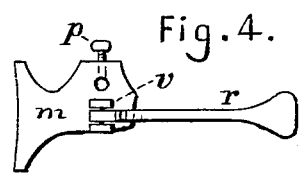
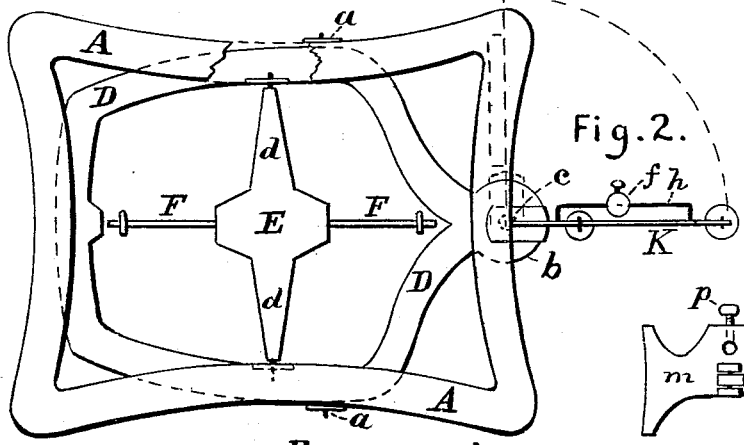
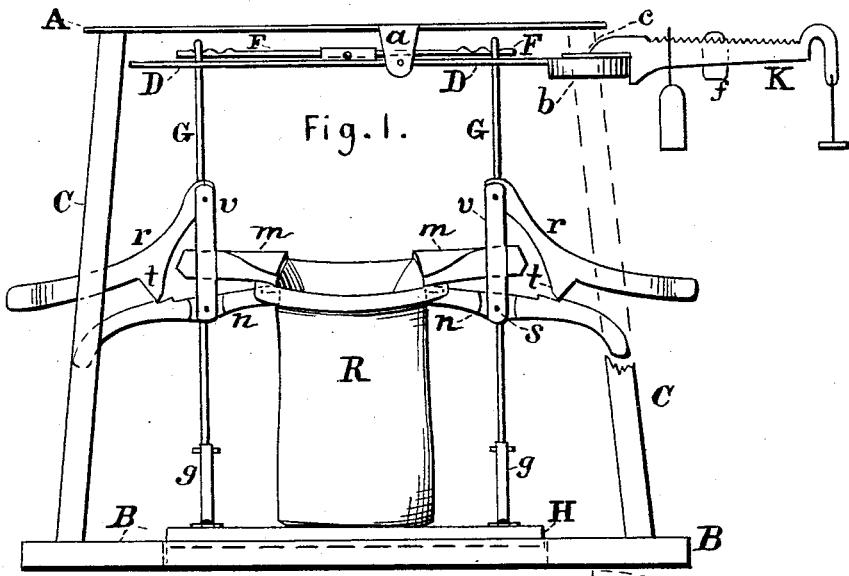


C. FLANDERS.
SACK-SCALES.

No. 189,852.

Patented April 24, 1877.



Witnesses:
H. A. Daniels.
R. S. Lacey

Inventor:
Calvin Flanders
by N. Burris
Attorney.

UNITED STATES PATENT OFFICE.

CALVIN FLANDERS, OF BRONSON, MICHIGAN.

IMPROVEMENT IN SACK-SCALES.

Specification forming part of Letters Patent No. 189,852, dated April 24, 1877; application filed January 26, 1877.

To all whom it may concern:

Be it known that I, CALVIN FLANDERS, of Bronson, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Farmers' Sack-Holder and Scales Combined; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which drawings—

Figure 1 is a side view of the improved sack-holder and scales combined. Fig. 2 is a plan or top view. Fig. 3 is an end view. Fig. 4 is a plan view of jaws for holding the bag.

My invention relates to implements for holding sacks while the same are being filled, the contents being weighed at the same time; and consists in certain improvements in the construction of the same, as hereinafter more fully shown and described.

In the said drawing, the main frame is shown, consisting of the top A, formed of side and end pieces, the base B, and posts C. Under the top A is placed a frame, D, the same being pivoted in the lugs *a*, attached to the side pieces of the top A, as shown.

E is a center piece, extending across frame D, each of its arms *d* having bearing on said frame D. Rigidly attached to said center piece E, and extending lengthwise of the main frame, is the rod or bar F, from the extremities of which depend the rods G, the latter having secured to their lower extremities the bails *g*, fixed to the platform H below. Thus the said platform is suspended from the bar F, secured to the center piece E, and pivoted within the frame D. At one end of frame D is formed a circular disk, *b*, to which is secured a scale-beam, K, being pivoted at *c*, so that when the scale-beam is not in use it may be turned aside, as indicated by dotted lines in Fig. 2 of the drawing. The scale-beam K has the balancing-weight *f* upon the rod *h*, and the other usual appurtenances.

For the purpose of holding the bag open and in position for filling, adjustable jaws *m*

and *n* are secured to each of the rods G. The upper jaws *m* are secured to each of the rods G, the upper jaws *m* being fixed to the upright pieces *v*, and the lower jaws *n* being pivoted to said upright pieces at *s*. The rods G pass through an aperture in lateral projections formed upon the jaws *m*, and the jaws are secured in place at the required height by means of the thumb-screw *p*. The said jaws are formed to have a lateral inclination downward toward the front of the machine, so that when the bag is in position the mouth of it is somewhat inclined forward. The said jaws *m* and *n* are closed and held by means of the levers *r*, the upper ends of which are pivoted to the upright pieces *v*, the said levers having formed thereon projections *t*, which bear against the extension of pivoted jaws *n*.

The base B of the main frame is made open, to allow the platform H to sink within it, as indicated in the drawing.

In operation, the jaws having been set at the proper height on the rods G, the edge of mouth of the bag is placed within the jaws on either side, and the said jaws are clamped by means of the levers *r*. The frame D, provided with scale-beam K, is then balanced by moving the balancing-weight *f*, and the bag R is filled, and then weighed by the scales. During the operation of filling the bag, however, the frame D may be inclined. The bar F, to which the platform is suspended, being attached to piece E, which is pivoted independently, keeps a horizontal position.

Having described my invention, I claim—

1. Adjustable sack-holders, consisting of the fixed jaws *m*, the pivoted jaws *n*, and the levers *r*, all adjustable at any required height on the rods G, substantially as described.

2. The combination of the frame D, center piece E, having fixed bar F, rods G, platform H, beam K, and adjustable sack-holders *m n r*, substantially as and for the purposes described.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

CALVIN FLANDERS.

Witnesses:

A. H. SMITH,
M. D. WOOLF.