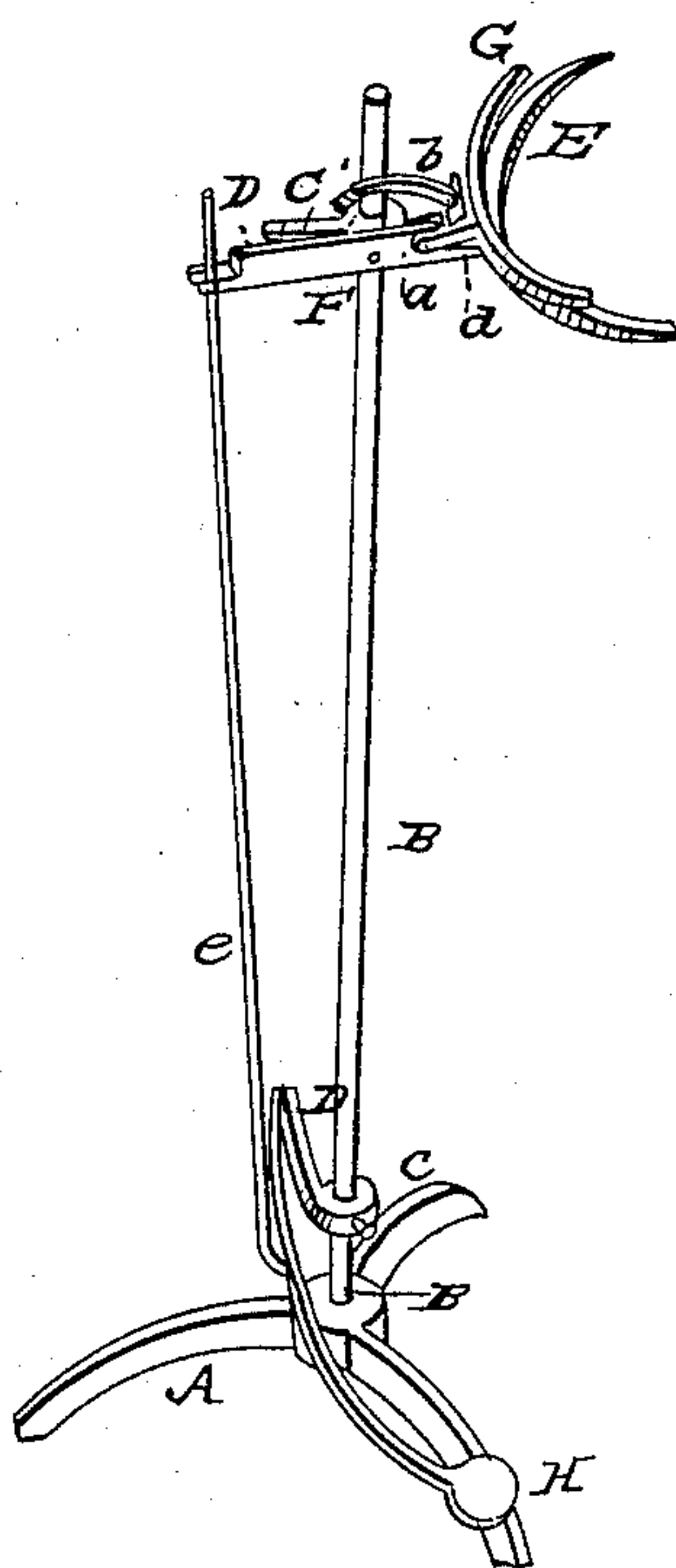


W. H. STARRY.

Bag Holder.

No. 59,677.

Patented Nov. 13, 1866.



WITNESSES

P. J. Peck
H. H. Peck

INVENTOR

Wm H. Starry
By his atty
H. P. H. Peck

UNITED STATES PATENT OFFICE.

W. H. STARRY, OF MIDDLETOWN, OHIO.

IMPROVEMENT IN BAG-HOLDERS.

Specification forming part of Letters Patent No. 59,677, dated November 13, 1866.

To all whom it may concern:

Be it known that I, WM. H. STARRY, of Middletown, in the county of Butler, in the State of Ohio, have invented a new and useful Improvement in Bag-Holders; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The drawing is a complete representation of my improved bag-holder in perspective.

The object of my invention is to furnish a holder for bags to be filled which has the capability of shaking or settling down the contents of the bag by mechanism connected with a treadle, all of which will be herein fully described.

In the drawing, A denotes the pedestal, in the center of which there is a socket for the standard B. The standard may be made of rod-iron of sufficient strength to support a sack or bag of flour or grain.

C C' are adjustable ears or brackets, with holes, through which the standard B will freely pass. The brackets are provided with thumb-screws, by which they may be fastened and held at any suitable elevation upon the standard. One of the brackets, C', is furnished with a detent, D, for the purpose hereinafter described.

E is the under jaw of the clamp for holding the bag, and connected therewith is a lever, F, which is fastened by the bolt *a* to the bracket C'. The bolt *a* serves as a fulcrum to lever F. This lever is serrated or notched, as seen in the drawing, for the end of pawl *b* to rest in and hold the upper jaw, G, down upon the bag, which is to be placed over the under jaw to be held. The upper jaw, G, is provided with an upright, *d*, to which the pawl *b* is hinged, and the upper jaw is hinged to the lever F, as seen in the drawing.

All the parts described may be made of cast-iron, and the treadle H also.

The treadle is hinged by a bolt to the bracket C near its outer end, and the rod *e* connects the treadle with the lever F of the jaw E.

The faces of the curved jaws E and G are beveled, so as to cause them to grasp and hold the edges of bags of various thicknesses.

The upper jaw is made to close down be-

hind the under jaw and clamp the bag, and is held firmly down thereon by the pawl *b*, which works in the ratchet on lever F, as represented.

Instead of the pedestal for supporting the standard and operating mechanism, a platform on trucks may be used for convenience in moving the machine from place to place.

The detent D on the bracket C' serves as a stop for the end of lever F, to prevent the jaws from falling below a horizontal line.

The standard B may be made sufficiently strong, of wood, and may have suitable indentations to retain the thumb-screws in place when tightened to hold the brackets in place.

The detent or stop D may be made or cast upon the treadle-bracket C, and serve the same function of preventing the jaws from inclining downward.

The bag to be filled will be placed with one side of its mouth over the under jaw, E, which is formed in the arc of a circle, (and is longer than the jaw G,) and the latter will then be pressed down, and the pawl *b* will fall into one of the ratchet-teeth, as before specified. The bag will thus be held with its mouth open to receive the material with which it is to be filled.

From time to time during the filling of the bag the attendant can shake down the contents of the bag by placing his foot upon the end of the treadle, which is bent laterally to be in a proper position for that purpose. The action of the treadle will, through the connecting-rod *e*, cause the rear end of lever F to be depressed, and thereby raise the clamping-jaws and bag, and by removing the pressure of the foot from the treadle the gravity of the partially-filled bag will cause it to fall or drop upon the floor and settle its contents together, as is usually done by hand.

This operation may be repeated, at the option of the person filling the bag, as often as is necessary to effect the purpose of filling the bag compactly.

It will be observed that this mode of holding sacks or bags will avoid the damage caused by the use of hooks or pins, as the clamping-jaws compress the bag between them without any liability of injury to it; and the treadle mechanism for raising the bag with its contents affords means of jarring down and

settling its contents with the greatest ease and facility.

The upper end of the connecting-rod *e* passes through an orifice in the end of lever *F*, and may be adjusted therein by a pin or bolt. A chain may be used instead of the connecting-rod *e*, as it would perform the same function.

The bracket *C* may be dispensed with, and a short projecting arm may be cast on the pedestal, to which the rear end of the treadle may be hinged. By this substitution of the arm for the lower bracket, *C*, the structure will be cheapened, and instead of adjusting two brackets to different heights, it will only be necessary to adjust the upper bracket, *C'*, and the connecting-rod *e*.

Having fully described my invention, what

I claim, and desire to secure by Letters Patent, is—

1. The beveled clamping-jaws *E G*, in combination with ratchet and pawl *b*, co-operating for holding sacks and bags, when constructed and arranged in the manner substantially as described.

2. The combination of the treadle mechanism for settling the contents of the sack or bag with the clamping-jaws and ratchet and pawl, operating conjointly, when constructed and arranged substantially as described, for the purpose specified.

WILLIAM H. STARRY.

Witnesses:

H. P. K. PECK,
Z. DOTY.