

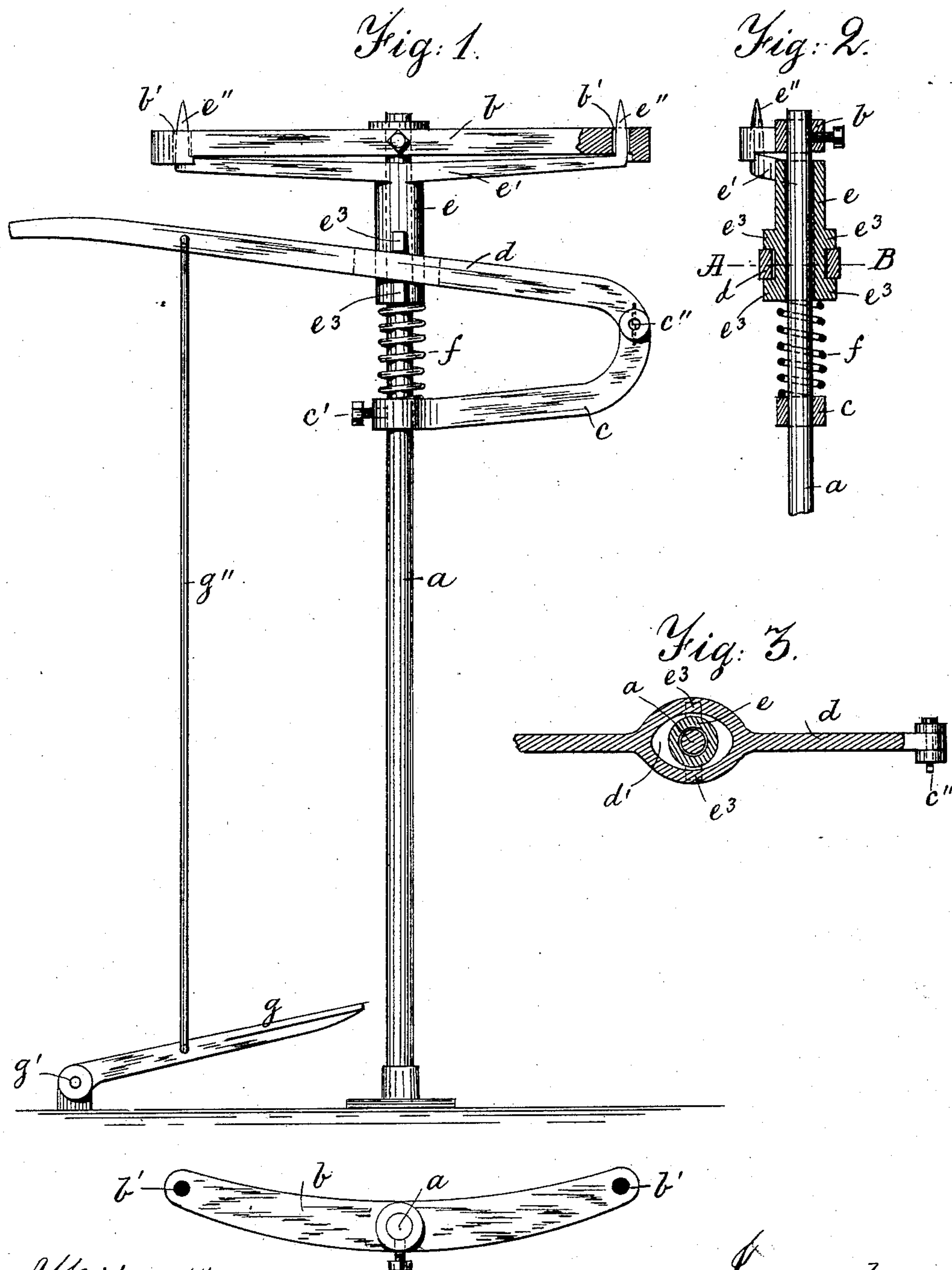
(No Model.)

W. I. JORDAN.

BAG HOLDER.

No. 362,092.

Patented May 3, 1887.



Witnesses:
Helen S. Andrén.
Henry Chadbourne.

Fig. 4.

Inventor:
Washington I. Jordan.
by Alban Andrén, his atty.

UNITED STATES PATENT OFFICE.

WASHINGTON I. JORDAN, OF EAST BRAINTREE, MASSACHUSETTS.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 362,092, dated May 3, 1887.

Application filed September 13, 1886. Serial No. 213,394. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON I. JORDAN, a citizen of the United States, and a resident of East Braintree, in the county of Norfolk and State of Massachusetts, have invented new and useful Improvements in Bag-Holders, of which the following, taken in connection with the accompanying drawings, is a specification.

10 This invention relates to improvements in bag-holders for holding bags in suspension while being filled with grain or other matter, and a device for releasing them after being filled without the need of raising or lifting the
15 heavy filled bags, as will hereinafter be more fully described, claimed, and shown, reference being had to the accompanying drawings, in which—

20 Figure 1 represents a front elevation of the invention, and Fig. 2 a longitudinal section of it. Fig. 3 represents a cross-section on the line A B, shown in Fig. 2. Fig. 4 is a plan view of the bag-rest.

Similar letters refer to similar parts wherever they occur on the drawings.

25 *a* is a post or standard, secured in a suitable manner to the floor, or to a platform-scale if the grain is to be weighed while the sacks are being filled. To the upper end of said rod *a* is
30 secured the bag-rest or cross-bar *b*, preferably made slightly curved toward its ends, as shown in Fig. 4. At a suitable place on post or standard *a*, at some distance below the bag-rest *b*, is firmly secured, in an adjustable manner, by
35 means of a set-screw, *c*, the bracket *c*, to the outer end of which is pivoted, at *c'*, the bag-releasing lever *d*, as shown.

On post or standard *a* is located, below the bag-rest *b*, the hub *e*, that is free to slide up
40 and down on said post or standard *a*, and has attached to or made in one piece with its upper end the bar *e'*, having upwardly-projecting prongs or teeth *e'' e''* in its ends, as shown in Figs. 1 and 2, which prongs pass loosely through
45 perforations *b' b'* in the bag-rest *b*, as shown in Fig. 1. The hub *e*, bar *e'*, and prongs *e'' e''* are normally held in the position shown in Figs. 1 and 2 by the influence of a coiled spring, *f*, located on post *a*, between the bracket *c* and
50 lower end of hub *e*, as shown in Figs. 1 and 2.

For the purpose of establishing a connection

between lever *d* and hub *e*, I provide the lever *d*, where it surrounds the said hub, with an elongated slot, *d'*, (shown in Fig. 3,) and above and below such slotted part of the lever *d*, I
55 make on the hub *e* radial projections *e³ e³*, (shown in Figs. 1, 2, and 3,) by which the lever *d* and hub *e* are connected together. Any other suitable connecting device may be used between lever *d* and hub *e*—such as, for in-
60 stance, pins or set-screws; but the device as shown is very simple, efficient, cheap, and durable, as the projections or ears *e³ e³* may be cast in one piece with the hub *e*, and in setting up the device I turn the hub *e* at a right
65 angle to its working position, when the ears *e³ e³* may readily be passed through the elongated slot *d'*, which is made long enough for this purpose, and afterward the hub is turned around a quarter of a revolution, causing the ears *e³ e³*
70 to project above and below the narrow portion of the slot in the lever *d*, as shown in Figs. 1, 2, and 3.

In using the device the upper end of the bag to be filled is suspended on the prongs *e'' e''* and
75 supported on the rest *b*, and when the bag is filled it is released with great ease from the prongs *e'' e''* simply by depressing the hub *e* and its arm or bar *e'*, which is accomplished by the operator taking hold of the free end of
80 lever *d* and pulling it down against the influence of the spring *f* sufficiently to cause the upper ends of prongs *e'' e''* to pass downward just a little below the upper surface of the bar
85 *b*, when the bag is liberated. As soon as the operator lets go his hold on lever *d* the latter, the hub *e*, arm *e'*, and prongs *e'' e''* are automatically returned to their normal positions (shown in Figs. 1 and 2) by the influence of
90 the coiled spring *f*.

When it is desired to release the bag by foot-pressure instead of hand manipulation, I employ a foot-treadle, *g*, pivoted at *g'* to the floor or other suitable part, and provided with a rod,
95 link, cord, or chain, *g''*, by means of which it is connected to the releasing-lever *d*, as shown in Fig. 1.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent, and claim— 100

1. The herein-described improved bag-holder, comprising the stationary post *a* and its per-

forated bag-rest *b*, the vertically-movable bar *e'*, and its prongs *e'' e''*, arranged to move up and down through the perforations *b' b'* in bar *b*, as and for the purpose set forth.

5 2. The stationary post *a* and its stationary perforated bag-rest *b*, in combination with the vertically-movable hub *e*, provided with arm *e'*, having prongs *e'' e''*, the lever *d*, the stationary bracket *c*, and spring *f*, arranged between
10 the bracket *c* and hub *e*, as and for the purpose set forth.

3. The stationary bag-rest *b*, formed with perforations *b' b'*, in combination with the releasing-lever *d*, having elongated slot *d'*, and
15 the pronged arm *e'*, having hub *e* and projections *e'' e''*, as and for the purpose set forth.

4. In a bag-holder, the stationary post *a*, the perforated bag-rest *b*, the vertically-movable pronged arm *e'*, having hub *e*, and the releasing-lever *d*, in combination with the foot- 20 treadle *g*, connecting means *g''*, bracket *c*, and spring *f*, as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 1st day of September, 25
A. D. 1886.

WASHINGTON I. JORDAN.

Witnesses:

ALBAN ANDRÉN,
S. F. JENKINS.