

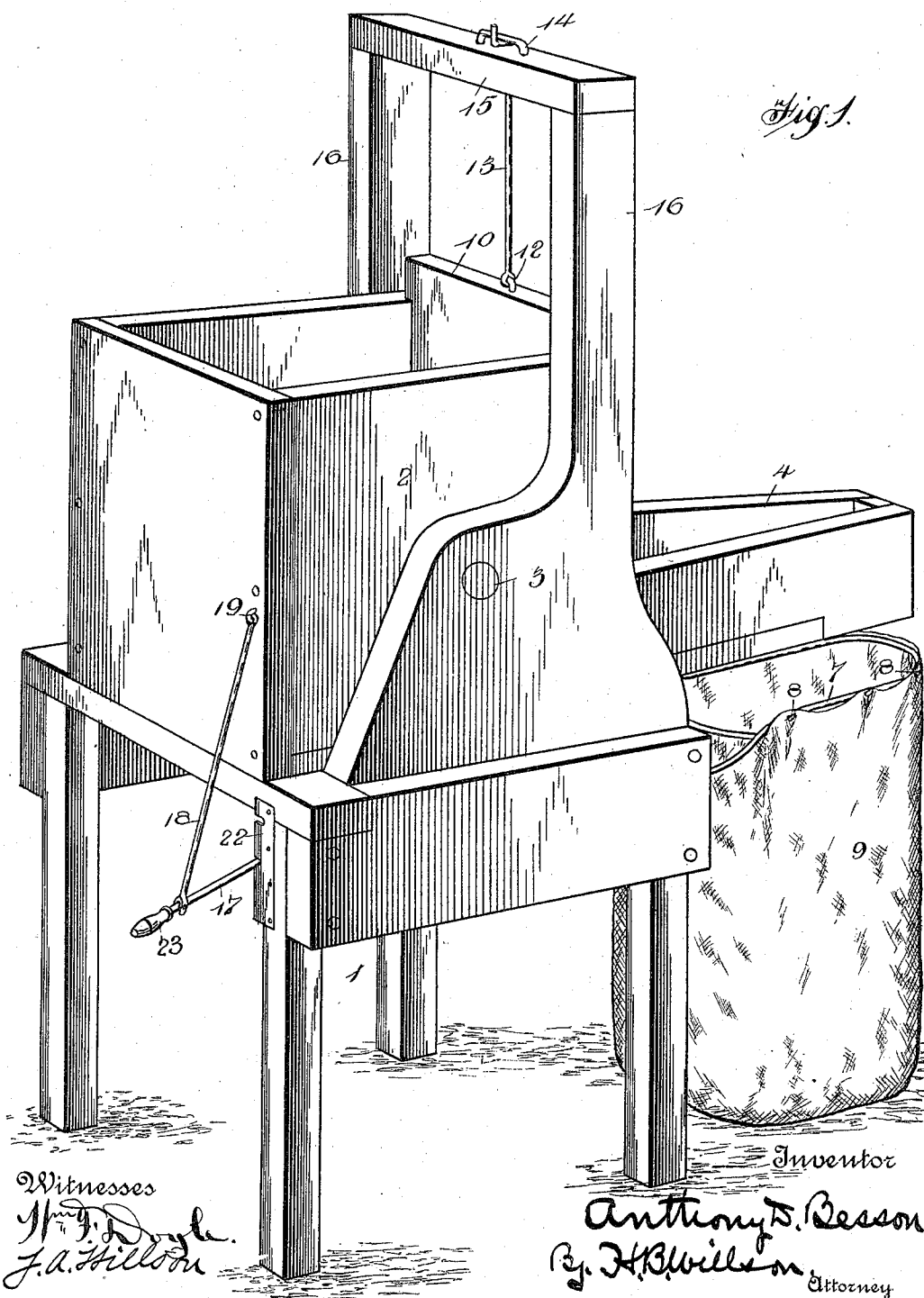
(No Model.)

2 Sheets—Sheet 1.

A. D. BESSON.
MEASURING DEVICE.

No. 579,252.

Patented Mar. 23, 1897.



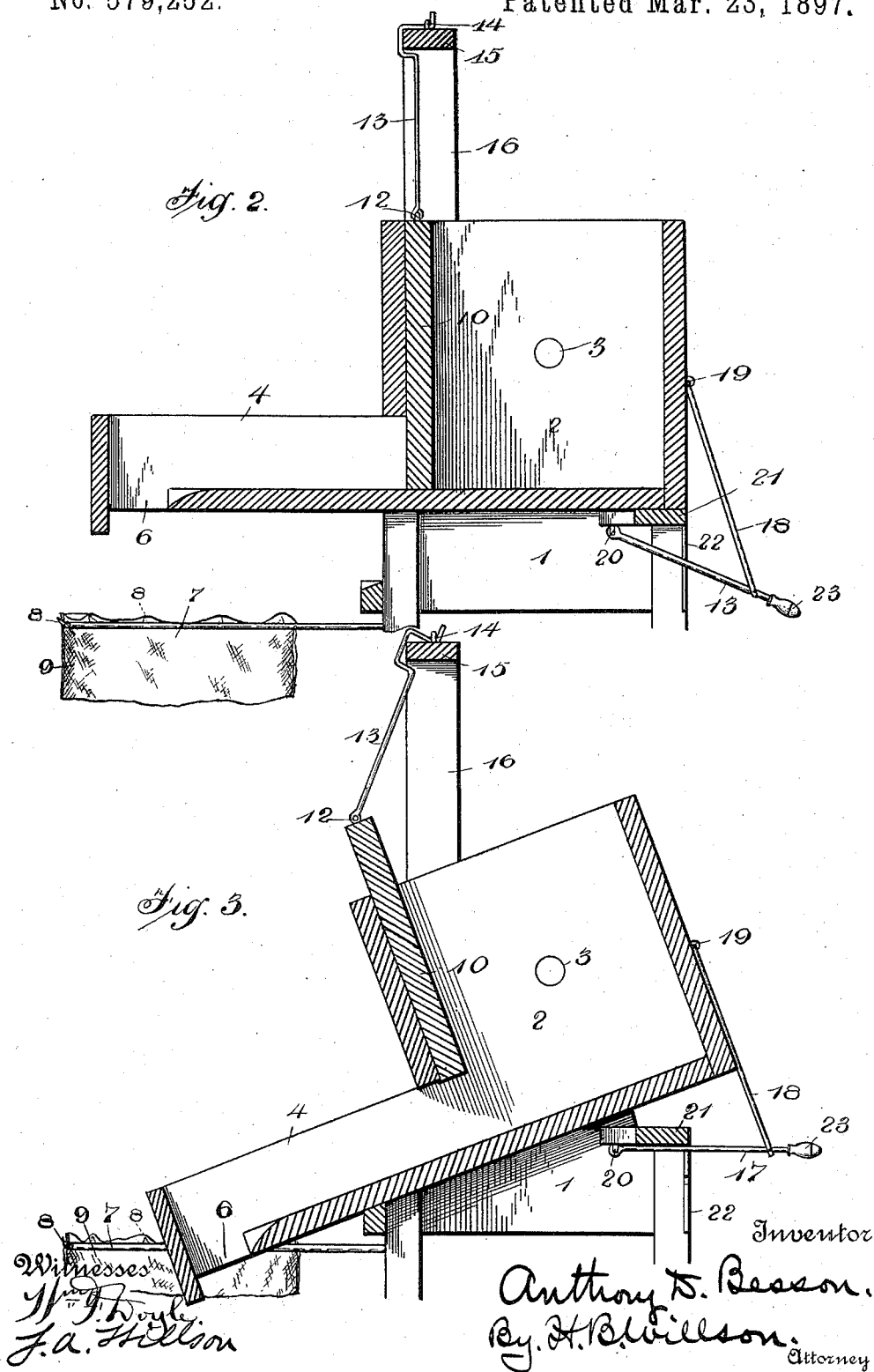
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UNITED STATES PATENT OFFICE.

ANTHONY D. BESSON, OF FOREST HOUSE, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO JOSEPH GOSSLIN AND ROSA GOSSLIN, OF SAME PLACE.

MEASURING DEVICE.

SPECIFICATION forming part of Letters Patent No. 579,252, dated March 23, 1897.

Application filed September 2, 1896. Serial No. 604,646. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY D. BESSON, a citizen of the United States, residing at Forest House, in the county of Potter and State of Pennsylvania, have invented certain new and useful Improvements in Measuring Devices; and I do 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 has relation to improvements in devices for measuring oats, corn, potatoes, and the like and putting the same in bags; and the object of the invention is to provide a simple device of this kind for farm use to facilitate the operation of putting articles of this kind in bulk into bags or packages for the market.

To this end the novelty consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same figures of reference indicate the same parts of the invention.

Figure 1 is a perspective view of my improved measuring device. Fig. 2 is a longitudinal section of the same, and Fig. 3 is a similar view showing the device in position for discharging its contents.

1 represents a suitable frame, and 2 is an oscillating box provided with trunnions 3 3, upon which it is mounted in the frame.

4 is a converging trough or chute forming a continuation of the bottom of the box 2, and its outer end is formed with a discharge-orifice 6.

7 is a guard secured to the front of the frame and extending around the front end of the trough or chute, and its front end is provided with integral spurs 8 8, by means of which the bag 9 is held with its mouth open under the orifice 6 in said chute.

10 represents a sliding door in the front of the box, its upper end having a staple 12, to which is pivoted one end of a rod 13, the other end being pivoted to a staple 14 in a cross-brace 15, connecting the upper ends of the

standards 16 16, forming a continuation of the sides of the frame.

17 is a hand-lever fulcrumed in the lower end of a rod 18, the upper end of which is connected to a staple 19, secured to the rear end of the box, and the shorter end of the lever is journaled in a staple 20, secured to the rear cross-brace 21 of the frame.

22 is a notched plate extending upwardly contiguous to the handle 23 of said lever, which is adapted to engage and be held by one or the other of the notches in the plate 22, as occasion requires.

The operation of the device is as follows: The bag is first secured under the orifice in the front end of the chute, as shown, and the box 2 filled up level with its top, which, say for example, holds one bushel, though of course any suitable measure can be employed. As soon as the box is full the operator releases the lever 17 from the bottom notch in the plate 22 and tilts the box on its trunnions and engages the lever in the upper notch in said plate. The operation of tilting or oscillating the box causes its front end to drop down, while the door 10 is held stationary by the rod 13, leaving an opening between the bottom of the door and the chute, allowing the material to fall by gravity down the inclined chute, and it is discharged through the orifice 6 into the bag or receptacle placed there to receive it. The package is then removed, an empty one placed in position, and the lever 17 lowered to engage the lower notch in the plate 22, which restores the box to its normal vertical position with the door closed, when the operation is repeated.

The device is very simple and practical, and one hand can measure off and fill the sacks or bags with ease and rapidity.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire

to secure by Letters Patent of the United States, is—

A device of the class described, comprising the frame 1 provided with the guard 7, having integral securing-spurs 8 8, the notched plate 22, the standards 16 16, and the cross-brace 15, in combination with the measuring-box 2 mounted on trunnions 3 3 in said frame, and provided with the converging
10 trough or chute 4, having the discharge-orifice 6 in its forward end, the lever 17 fulcrumed in the lower end of a rod 18, pivoted

to a staple secured to said box, and the sliding door 10 mounted in the front end of said box, and connected by a rod 13 to the cross-brace 15, substantially as shown and described.

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

ANTHONY D. BESSON.

Witnesses:

EVA A. LEWIS,
MAY E. LEWIS.