J. N. COLLINS.

Bag Holder.

No. 94,283. Patented Aug. 31, 1869.

Fig: 1.

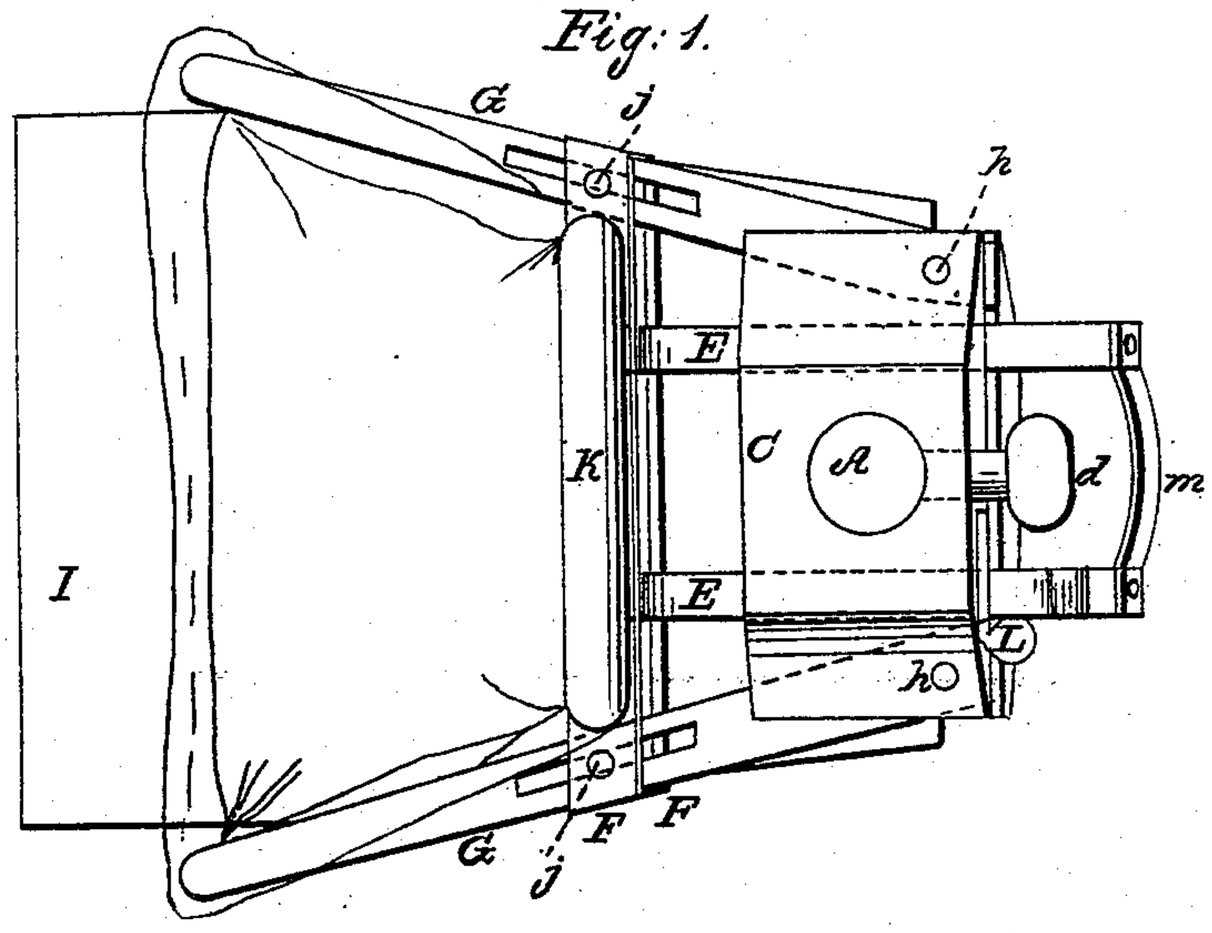
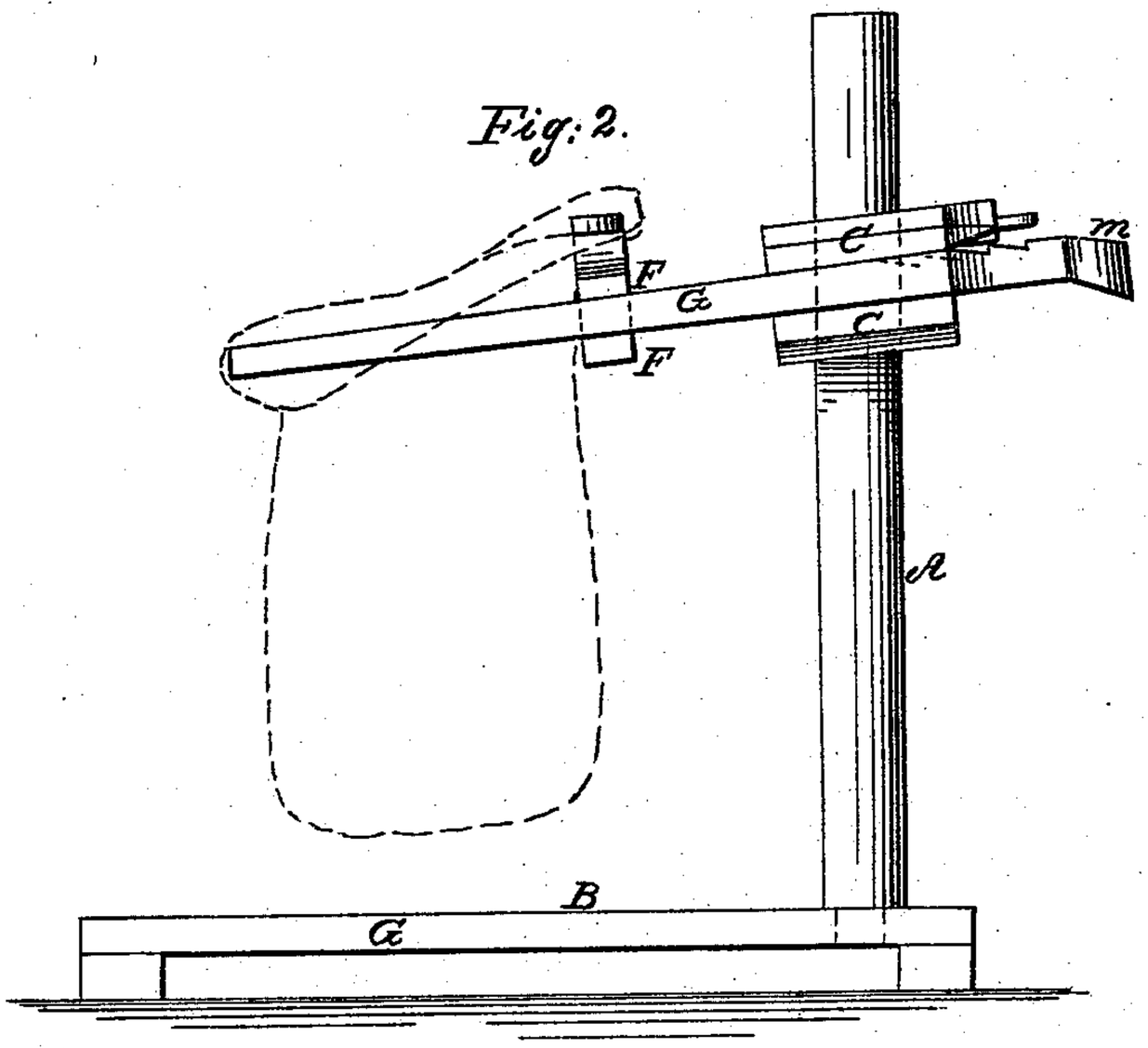


Fig: 2.



Witnesses:

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J. N. COLLINS, OF MENASHA, WISCONSIN

Letters Patent No. 94,283, *dated August* 31, 1869.

IMPROVED BAG-HOLDER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, J. N. COLLINS, of Menasha, in the county of Winnebago, and State of Wisconsin, have invented a new and useful Improvement in Bag-Holders; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in the method of holding bags for filling with grain or other articles, or for other purposes; and consists in arranging on a suitable stand an adjustable frame, with expansible arms, to which the bag is attached, and by which it is held open in an upright position, as will be hereinafter more fully described.

In the accompanying plate of drawings—

Figure 1 represents a top view of the arrangement, showing the holder as when in use.

Figure 2 is a side elevation.

Similar letters of reference indicate corresponding parts.

A is the stand or pillar, to which the frame is attached, and on which it is adjusted as to height.

This stand may be supported by inserting its end into a hole in the floor, or into a movable base or platform, as seen in the drawing at B.

C is a block, to which the movable and expansible portion of the frame is attached, through which the pillar A passes.

The block C is fastened, in any desired position, by a set-screw, *d*.

E E represent two horizontal bars, which slide freely through the block C, and which are connected together, at their outer ends, by the cross-pieces F F, between which the bars E are fastened.

G G are two arms, which are pivoted to the block C, as seen at *h h*. They pass between the cross-pieces F F.

Each of these arms has a long slot, *i*, and the cross-pieces F F have pins *j*, which pass through the slots.

The bars E slide parallel with each other, through the block C.

The arms G, it will be seen, are attached to the block C by the pivots *h*, and connected by the cross-pieces F and pins *j*.

The arms G are placed at an angle with the bars E, as seen in the drawing, with the pins *j j*, further apart than the pivots *h h*, so that when the pins *j* are moved on a line parallel with the bars E, the arms G will be expanded or contracted, according as the bars E are moved.

An oblique slot through the arms G would have the same effect, if the bars E and arms G were placed parallel.

K is a cleat, similar in form to the halyard-cleat of a vessel, attached to the upper cross-piece F. The bag is attached, as seen in the drawing. The projecting ends of the arms G are thrust into the mouth of the bag, and then the mouth is brought over the cleat K. Now, by drawing back the bars E E and cleat K, the arms G will be expanded and the bag opened. To hold the sliding bars E in the position seen in the drawing, with the bag open, ratchet-teeth are formed on one of the bars, as seen in fig. 2.

L is a stop-plate, pivoted to the block C, which drops down into the ratchet-teeth, and securely holds the bars from sliding back.

These bars are connected together, at their back ends, by the strap *m*, by which they may be operated.

To loosen the bag, the stop-plate L is raised from the ratchet-teeth, and the bars shoved forward, when the arms G will be forced toward each other or contracted, which will allow the bag to be released and removed.

This bag-holder is adapted to bags of different sizes, and the length may be regulated by raising or lowering the frame on the pillar A, as before stated.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination of the arms G G, cross-pieces F F, bars E E, with ratchet-teeth on one end, stop-plate L, cleat K, block C, thumb-screw *d*, and pillar A, constructed, arranged, and operating substantially as shown and described, and for the purposes set forth.

J. N. COLLINS.

Witnesses:

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