

No. 711,561.

Patented Oct. 21, 1902.

A. P. FRANDEN, Jr.

BAG HOLDER.

(Application filed Nov. 12, 1901.)

(No Model.)

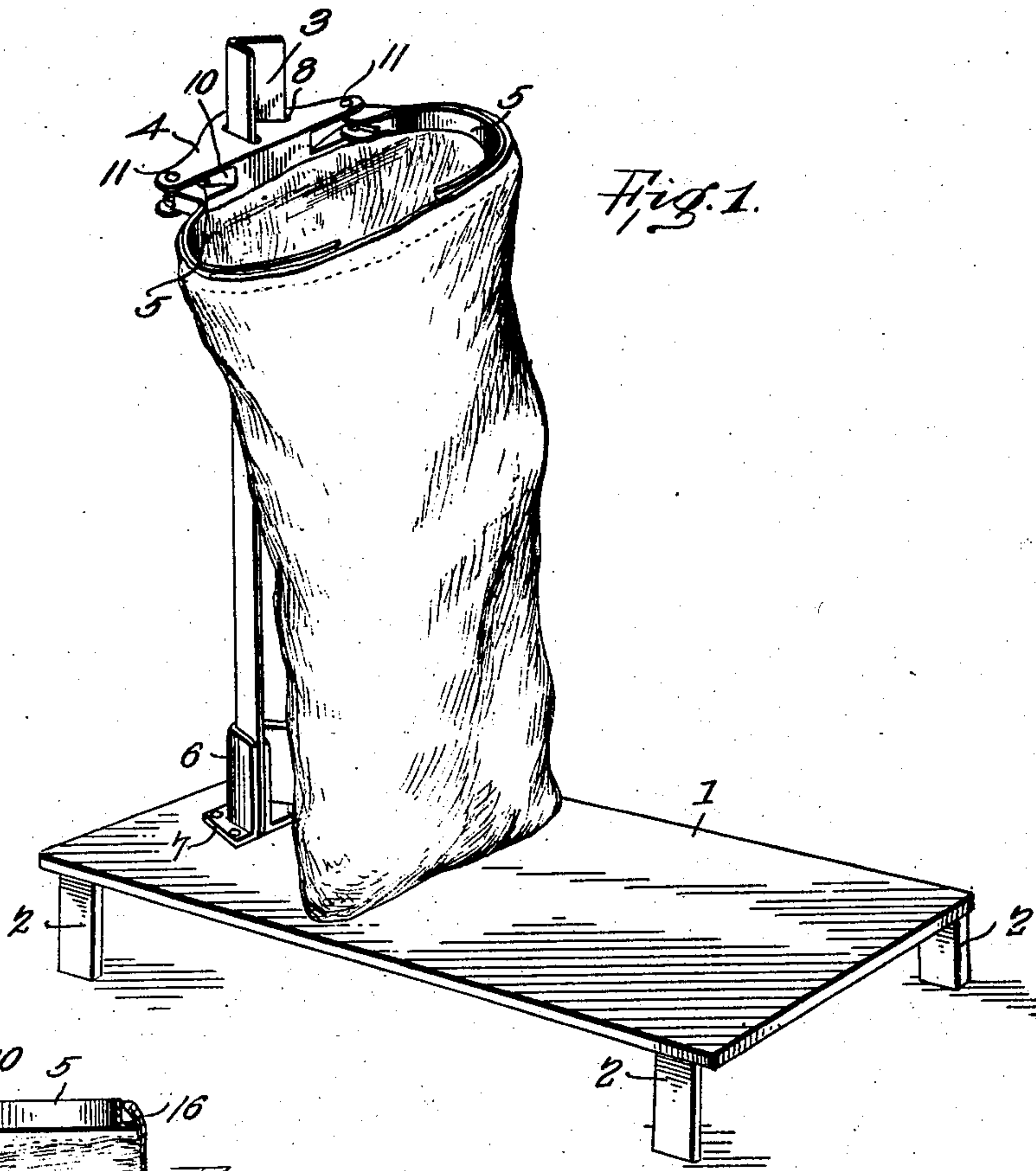


Fig. 1.

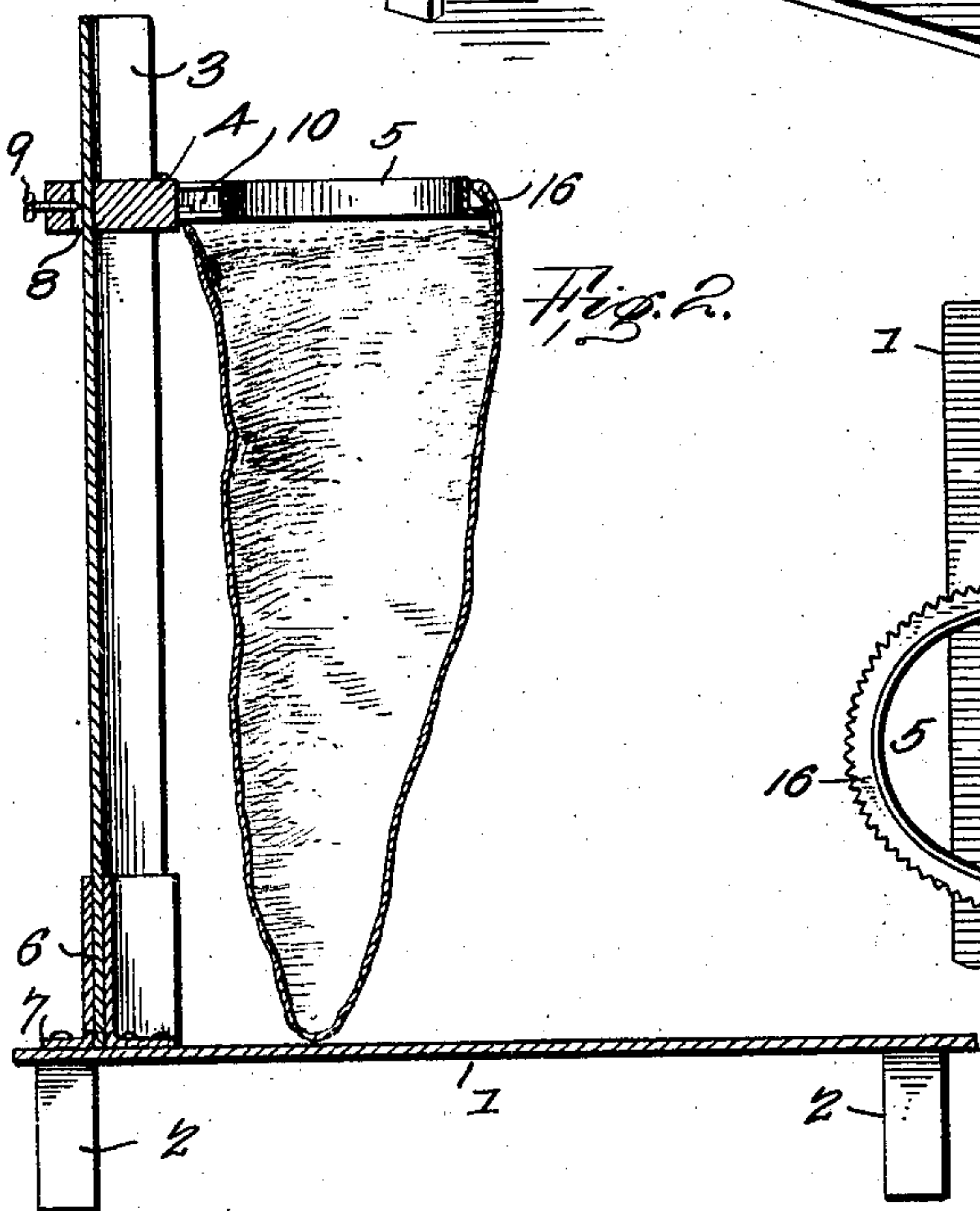


Fig. 2.

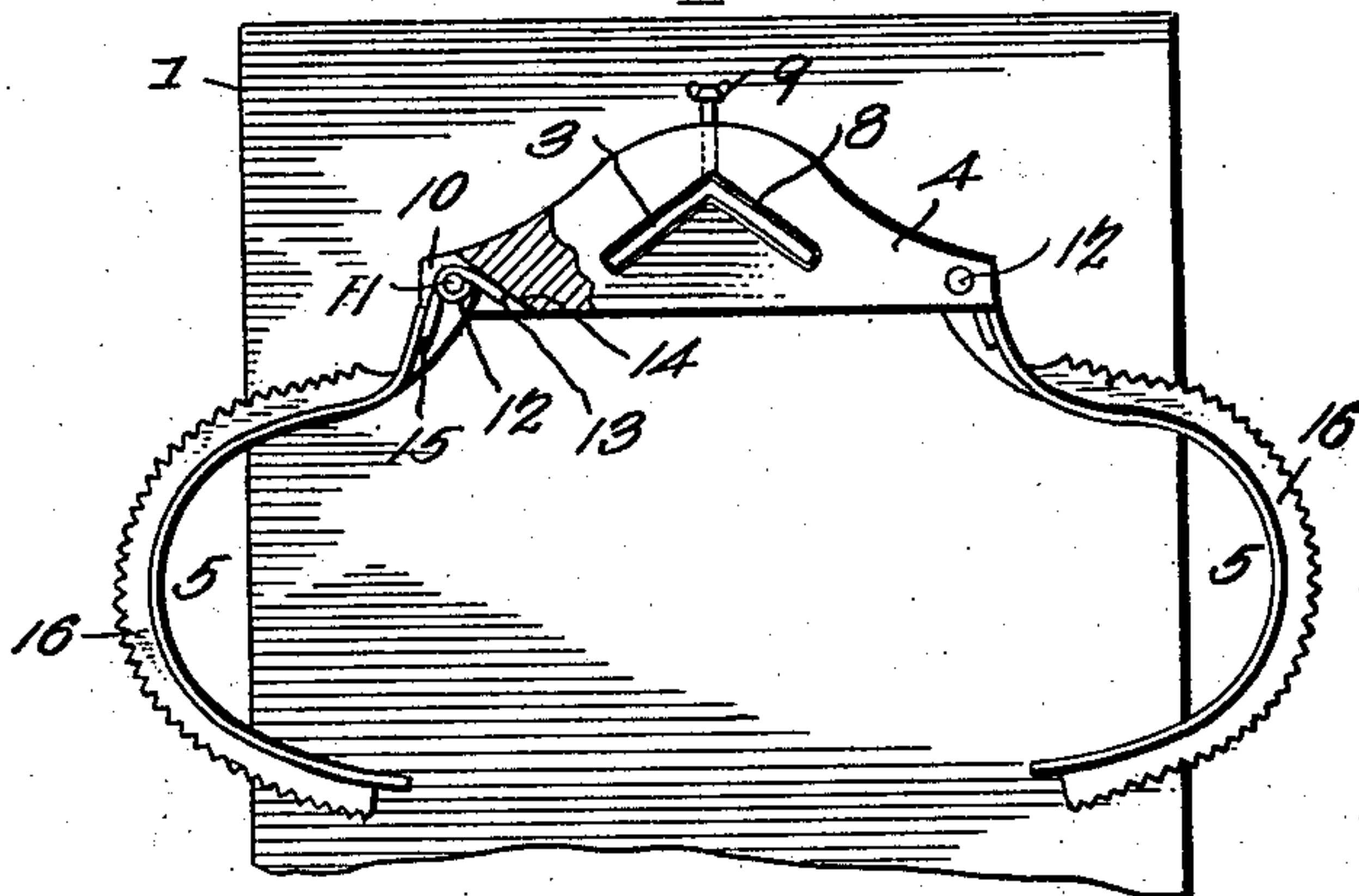


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

ANDREW P. FRANDEN, JR., OF MORA, MINNESOTA.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 711,561, dated October 21, 1902.

Application filed November 12, 1901. Serial No. 82,027. (No model.)

To all whom it may concern:

Be it known that I, ANDREW P. FRANDEN, Jr., a citizen of the United States, residing at Mora, in the county of Kanabec and State of Minnesota, have invented a new and useful Bag-Holder, of which the following is a specification.

This invention relates to bag-holders.

The object of the invention is to provide a simply-constructed, thoroughly efficient, and durable form of bag-holder which shall be ready of adjustment to bags of any height and capable at once of positively sustaining a bag and holding the mouth thereof distended while the bag is being filled.

With this object in view the invention consists in the novel construction and combination of parts of a bag-holder, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like numerals of reference indicate corresponding parts, there is illustrated a form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the scope of the invention, and in these drawings—

Figure 1 is a view in perspective of the bag-holder with a bag associated therewith. Fig. 2 is a view in vertical longitudinal section. Fig. 3 is a view in plan, partly broken away to show one of the actuating-springs of a bag-supporting arm.

Referring to the drawings, 1 designates the base or platform to be constructed of any suitable material and two supporting-legs therefor.

The bag-holder comprises a standard 3, a head or body 4, and a pair of bag-supporting arms 5, pivotally associated with the head.

The standard 3 is by preference made of metal and is approximately V-shaped in cross-section, as clearly shown in Figs. 1 and 3, the lower end of the standard being held associated with the base by a socket 6, secured near the rear end of the base, as by bolts passing through outturned flanges 7 at the lower outer side of the socket. The socket is by preference made of cast-iron, and consists of

two nested sections or members V-shaped in cross-section and spaced apart a sufficient distance to receive and by frictional contact therewith hold the standard in position.

The head 4 is by preference made of cast metal and is provided with a recess 8 of a shape to correspond with the standard, a set-screw 9, carried by the rear portion of the head and in this instance engaging the bend of the standard, serving to hold the head at any desired adjustment thereon. The terminals of the head are bifurcated, as at 10, to receive the inner terminal ends of the bag-supporting arms 5, these latter being held between the bifurcated portions of the head by pins or screws 11, which pass through the coils of the bag-arm-actuating springs 12, (clearly shown in Fig. 3,) one terminal 13 of each spring bearing against the wall 14, formed by the bifurcation, and the other terminal 15 bearing against the said arm. Each supporting-arm, as clearly shown in Figs. 2 and 3, is approximately L-shaped in cross-section and is curved, the base-flange 16 of the arm being serrated or toothed, whereby to bite into the material of the bag to be supported, and thus securely hold it from slipping, obviating thereby the necessity of employment of supplemental fastening means for the purpose. By forming the arms on a curve, as shown, the mouth of the bag will be distended and held in a shape most convenient to permit filling, as will be readily apparent.

As before stated, it is intended that the standard 3 shall be held in engagement with the socket 6 by frictional contact with the members thereof, and by this simple arrangement the standard may be disconnected from the base when desired, presenting thereby a knockdown structure.

As herein shown, the head 4 is a solid casting; but it is to be understood that the same may be composed of two plates suitably assembled and held at the desired distance apart by a spacing-block, and as this will be readily understood detailed illustration is deemed unnecessary.

When the bag is to be filled, the mouth is distended and brought over the serrated flanges 16 of the arms 5, it being understood, of course, that the arms are drawn in against

the resistance of the springs 12. As soon as the arms are released they will immediately spring laterally, and thus cause the teeth to bite into the material of the bag, and thus
5 hold it firmly associated therewith. To adjust the head upon the standard to accommodate the device for use in connection with bags of different sizes, it will only be necessary to loosen the set-screw 9 and move the
10 head to the desired point of adjustment thereon. By the employment of an angled or V-shaped standard the head will be positively held from lateral turning thereon, so that the bag-supporting arms will always occupy the proper position with relation to the
15 base, the only adjustment of the head upon the standard being that to accommodate it to bags of different heights.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a bag-holder, a base, a standard mounted thereon, a head adjustable on the standard and provided with a recess in each end, bag-holding arms pivoted in said recesses, 25 and a spring in each recess, said spring bearing at one end against the wall of the recess, and at the other end against the bag-holding arm.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ANDREW P. FRANDEN, JR.

Witnesses:

GEO. H. NEWBURK,
S. W. STRUBLE.