J. F. THRESHER.

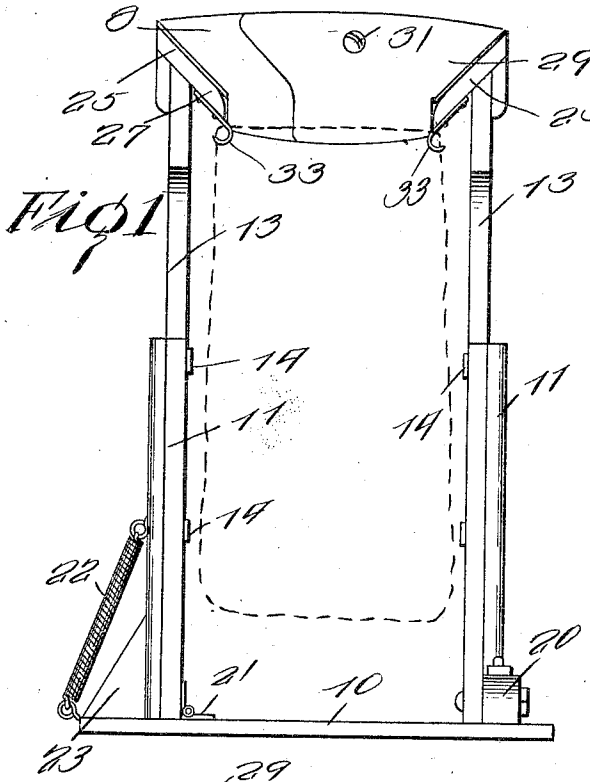
BAG HOLDER.

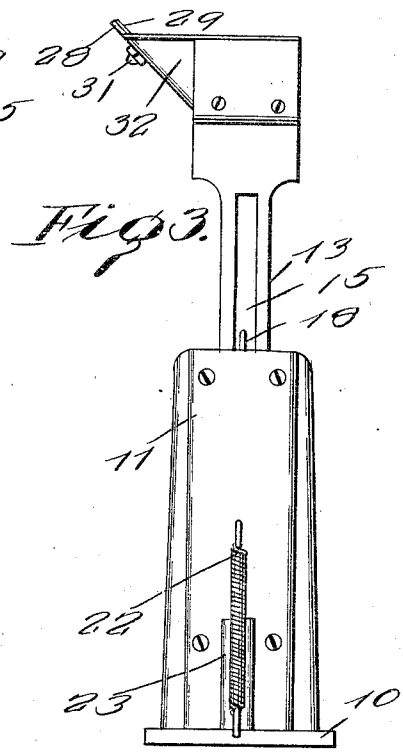
APPLICATION FILED JULY 12, 1912.

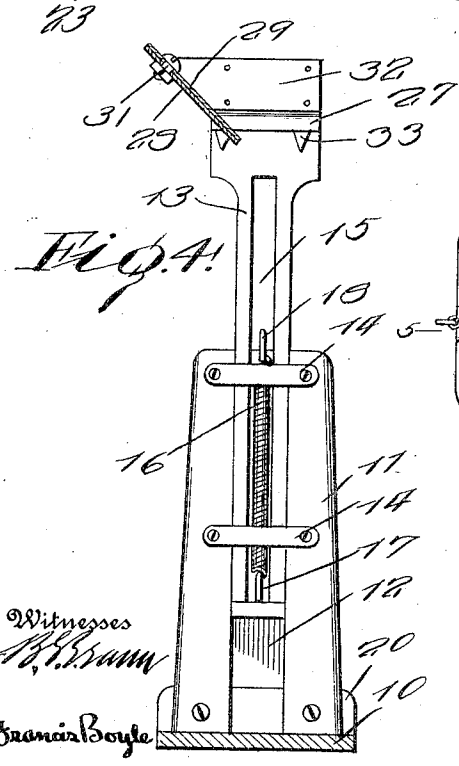
1,067,888.

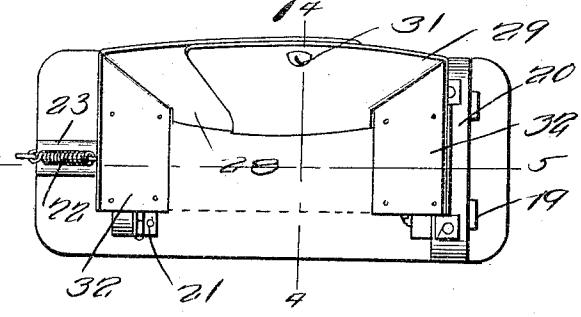
Patented July 22, 1913.

2 SHEETS—SHEET 1.









Witnesses

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BAG HOLDER.

APPLICATION FILED JULY 12, 1912.

1,067,888.

Patented July 22, 1913.

2 SHEETS—SHEET 2.

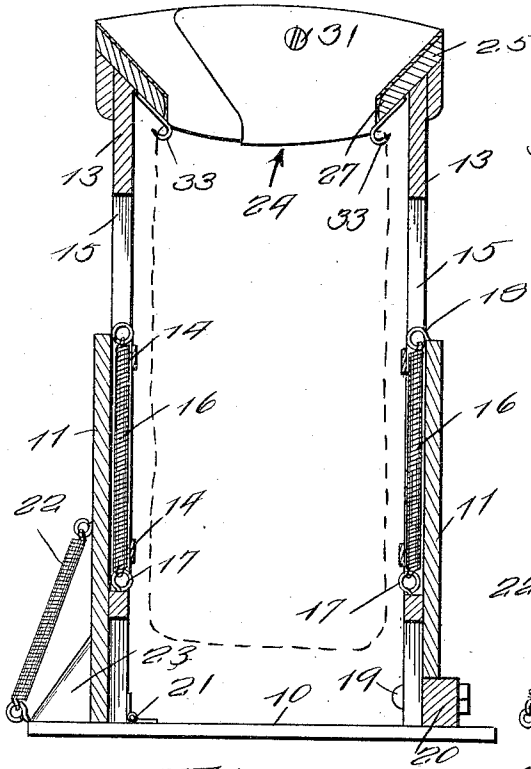


Fig. 5.

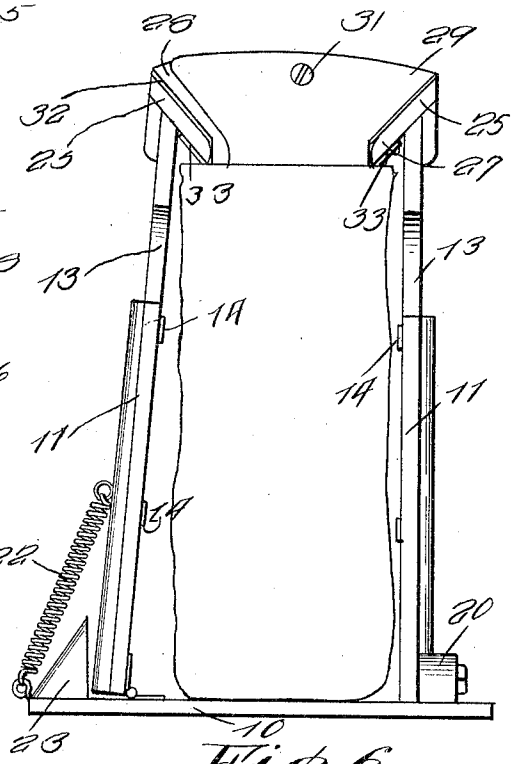
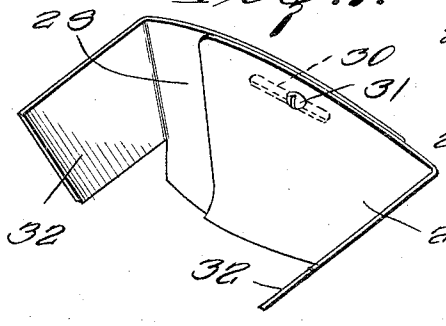


Fig. 6.

Fig. 7.



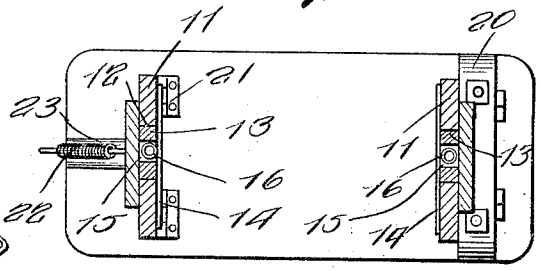


Fig. 8.

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UNITED STATES PATENT OFFICE.

JAMES F. THRESHER, OF CAMPBELLSPORT, WISCONSIN.

BAG-HOLDER.

1,067,888. Specification of Letters Patent. **Patented July 22, 1913.**

Application filed July 12, 1912. Serial No. 708,986.

To all whom it may concern:

Be it known that I, JAMES F. THRESHER, a citizen of the United States, residing at Campbellsport, in the county of Fond du Lac, State of Wisconsin, have invented certain new and useful Improvements in Bag-Holders; and I do hereby 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.

This invention relates to bag holders and has for an object to provide an extremely simple and inexpensive support for holding a bag in upright position with the throat open for filling.

A further object of the invention is to provide a bag holder having yielding uprights which promote gravitation of the bag to the bed plate whereby the bag during the operation of filling is supported by the bed plate and thus the uprights relieved of the weight of the bag.

A further object of the invention is to provide a novel contractile hopper at the upper ends of the uprights, the hopper being spring controlled and being adapted to expand and hold the mouth of the bag extended to facilitate the filling operation.

With the above objects in view the invention consists of certain novel details of construction and combination of parts hereinafter fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawings forming part of this specification: Figure 1 is a front elevation of the bag holder. Fig. 2 is a plan view of the bag holder. Fig. 3 is an end elevation of the bag holder. Fig. 4 is a vertical sectional view taken on the line 4—4 Fig. 2. Fig. 5 is a vertical sectional view taken on the line 5—5 Fig. 2. Fig. 6 is a side elevation showing the bag holder supporting a smaller bag than shown in Fig. 1, with the bag in gravitated position. Fig. 7 is a detail perspective view of the hopper. Fig. 8 is a cross sectional view taken on the line 8—8 Fig. 1, with the bag removed.

Referring now to the drawings in which like characters of reference designate similar parts, 10 designates a bed plate from the top face of which rises spaced standards each comprising a lower member 11 having a groove 12 extending longitudinally on the inner face, and an upper member 13 slidably fitted in the groove 12, there being guide straps 14 terminally secured to the inner face of the lower member to retain the upper member. The upper member is provided with a longitudinal slot 15 in which is housed a helical spring 16, the lower end of the spring being secured to the bottom wall of the slot by an eye screw 17 or otherwise, and the upper end of the spring being secured to the inner wall of the groove 12 of the lower member near the top of the member by an eye screw 18 or otherwise.

One of the standards is fixed to the bed plate preferably by being bolted as shown at 19 to a cleat 20 carried upon the top face of the bed plate, and the other standard is hingedly secured to the bed plate through the instrumentality of leaf hinges 21 secured to the bed plate and to the lower member of the standard on opposite sides of the groove therein. A helical spring 22 is terminally secured to the hinged standard and to the bed plate and serves to pull the standard outwardly into erect position against a stop plate 23 carried on the top face of the bed plate.

A contractile hopper designated in general by the numeral 24 is carried upon the upper ends of the standards, and to attain this end each standard is equipped with a downwardly sloping angular attaching member 25 one leg of which is secured to the outer face of the standard as shown at 26 and the other leg of which extends downwardly and inwardly across the top edge of the standard as shown at 27. The hopper proper consists of two sheet metal plates 28 and 29 one having a transverse slot 30 and the other carrying a pin 31 which works in this slot to facilitate the plates sliding one upon the other. Each plate is equipped at one end with an integral attaching lip 32 which is bolted or otherwise secured to the related attaching member 25. Preferably two spaced hooks 33 are secured to and depend from the inner lower edge of each attaching member to engage with and hold the mouth of a sack open.

In operation an empty bag is hooked upon the hooks 33, the hinged standard being rocked inwardly with a resultant contraction of the hopper by the plates 28 and 29

sliding one upon the other, to attain this end. Upon release of the standard the controlling spring 22 serves to return the standard to upright position with a resultant extension of the hopper whereby the mouth of the sack is extended to wide open position and maintained in this position during the filling of the bags. The weight of the bag as the vegetables or the like accumulate therein increases, and serves to telescope the upper members 13 into the lower members 11 of the standard until the bottom of the bag rests upon the bed plate 10, whereby the standards are relieved of a considerable portion of the weight of the bag and thus the long life and durability of the device is promoted.

What is claimed, is:—

A bag holder including a bed plate, a standard fixed to said base, a standard hinged to said base, means for normally holding said hinged standard vertical, each standard comprising a lower member having a longitudinal groove on the inner face and an upper member slidably fitted in said groove, guide straps terminally secured to the inner face of the lower member transversely of and securing said upper member to said lower member, said upper member being provided with a longitudinal slot, a helical spring in the slot of the upper member secured at the lower end to the bottom of said slot and secured at the upper end to said lower member near the upper end thereof, said spring facilitating downward yielding of said upper member upon said lower member, and a contractile hopper connecting the upper ends of the upper members.

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

JAMES F. THRESHER.

Witnesses:
J. F. NAUGHTON,
E. BREGMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."