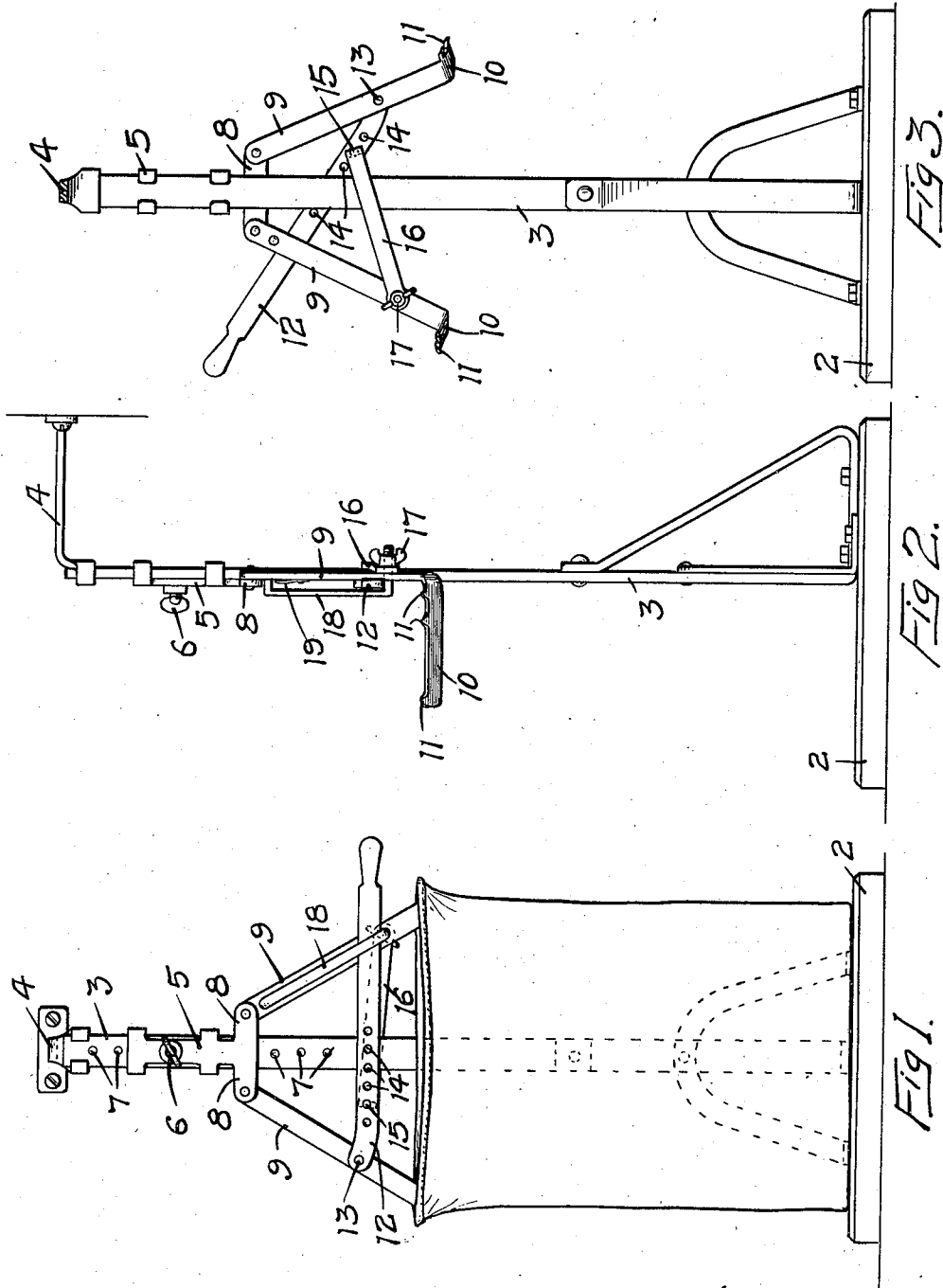


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BAG HOLDER.

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1,014,225.

Patented Jan. 9, 1912.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM H. IVERSON, OF TAYLORS FALLS, MINNESOTA, AND OLE E. ROTH, OF ST. CROIX FALLS, WISCONSIN.

BAG-HOLDER.

1,014,225.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed April 14, 1910. Serial No. 555,466.

To all whom it may concern:

Be it known that we, WILLIAM H. IVERSON, of Taylors Falls, Chisago county, Minnesota, and OLE E. ROTH, of St. Croix Falls, Polk county, Wisconsin, have invented certain new and useful Improvements in Bag-Holders, of which the following is a specification.

Our invention relates to devices for holding open the mouth of a sack while it is being filled and the object of the invention is to provide a device that is capable of quick operation to grip or release the sack and is also adapted for sacks of different sizes.

The primary object of the invention is to provide a simple, inexpensive device which can be easily set up and has improved means for operating the sack gripping devices.

The invention consists generally in pivoted arms and jaws carried thereby adapted to grip the mouth of the sack, and means for spreading the arms or drawing them together as hereinafter claimed.

In the accompanying drawing forming part of this specification, Figure 1 is a front view of a sack holder embodying our invention in use, Fig. 2 is a side view of the same, Fig. 3 is a rear view illustrating the gripping jaws drawn together to release the sack.

In the drawing, 2 represents a suitable base and 3 an upright standard mounted thereon, having preferably a bracket 4 at its upper end by means of which the standard may be secured to a wall or other support. This is a preferred means for supporting the standard, but we do not wish to confine ourselves to any particular construction.

5 is a slide mounted on the standard 3 and adjustable vertically thereon by means of a thumb screw 6 and depression 7 in the surface of the standard. Lugs 8 are provided at the lower end of the slide and bars 9 are pivotally connected to these lugs and are provided at their lower ends with forwardly extending arms 10 having prongs or points 11 thereon, which are adapted to dig into the sack and prevent it from slipping off the arms. The arms are bent at a suitable angle, as indicated in Fig. 2, so that the points will engage squarely with the wall of the sack. The bars 9 are capable of swinging toward or from one another

to adapt the arms to the size of the opening in the sack and for the purpose of adjusting these bars and locking them in their adjusted position we provide a lever 12 pivoted at 13 on one of the bars and having a series of holes 14 therein adapted to receive a pin 15 provided on the end of a bar 16, which is secured to the other arm by means of a thumb nut 17. A guide 18 is mounted on one of the bars in which the lever 12 is adapted to swing vertically.

When the lever is raised, as indicated in Fig. 3, the toggle joint mechanism formed by the lever 12 and the bar 16 will be opened and the bars drawn toward one another and when the lever is dropped down to a horizontal position, as indicated in Fig. 1, the arms will be forced apart and the prongs pressed into the sides of the sack to spread open its mouth and hold it securely during the filling operation. The mouth of the sack, as indicated in Fig. 1, will be spread open in a rectangular form so that the sack can be easily filled by means of a scoop shovel. The slide can be easily and quickly adjusted to adapt the device for bags of different types.

In the upper part of the guide way we prefer to provide a spring device 19 to engage the lever and hold it in its raised position. Upon loosening the thumb screw 17, the bar 16 can be adjusted on the lever to regulate the degree of travel of the gripping arms toward or from one another. The lever 12, as plainly indicated in the drawings, is arranged to swing in a vertical plane and when released from the spring catch device will drop down of its own weight in the guide way and separate the pivoted bars, pressing the points 11 into the top of the sack, and when the lever reaches the limit of its downward movement it will be substantially parallel with the link 16 and the bars will be locked in their separated position until the lever is again raised.

The device may be made in any suitable size and material as appears to be best adapted for the purpose.

We claim as our invention:—

A bag holder comprising an upright standard, a slide mounted thereon, bars pivotally connected at their upper ends to said slide, and having forwardly extending lower portions forming bag supporting

arms, having means for engaging the top
of a sack, a rod mounted on one of said bars
and spaced therefrom to form a guide-way,
a lever pivoted at one end of the other bar
5 and having its free end projecting through
the space between said bar and rod, and
adapted to oscillate therein, means in the
upper portion of said guide-way to engage
and hold said lever in its raised position,
10 said lever dropping by gravity to the bot-
tom of said guide-way when released from

said holding means to spread said arms,
and a link connecting said lever near its
pivot with the bar in which said rod is
mounted.

In witness whereof, we have hereunto set
our hands this 7th day of April 1910.

WILLIAM H. IVERSON.
OLE E. ROTH.

Witnesses:

OSWALD E. HOFFMANN,
JOHN C. HEGLUND.

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