

No. 754,580.

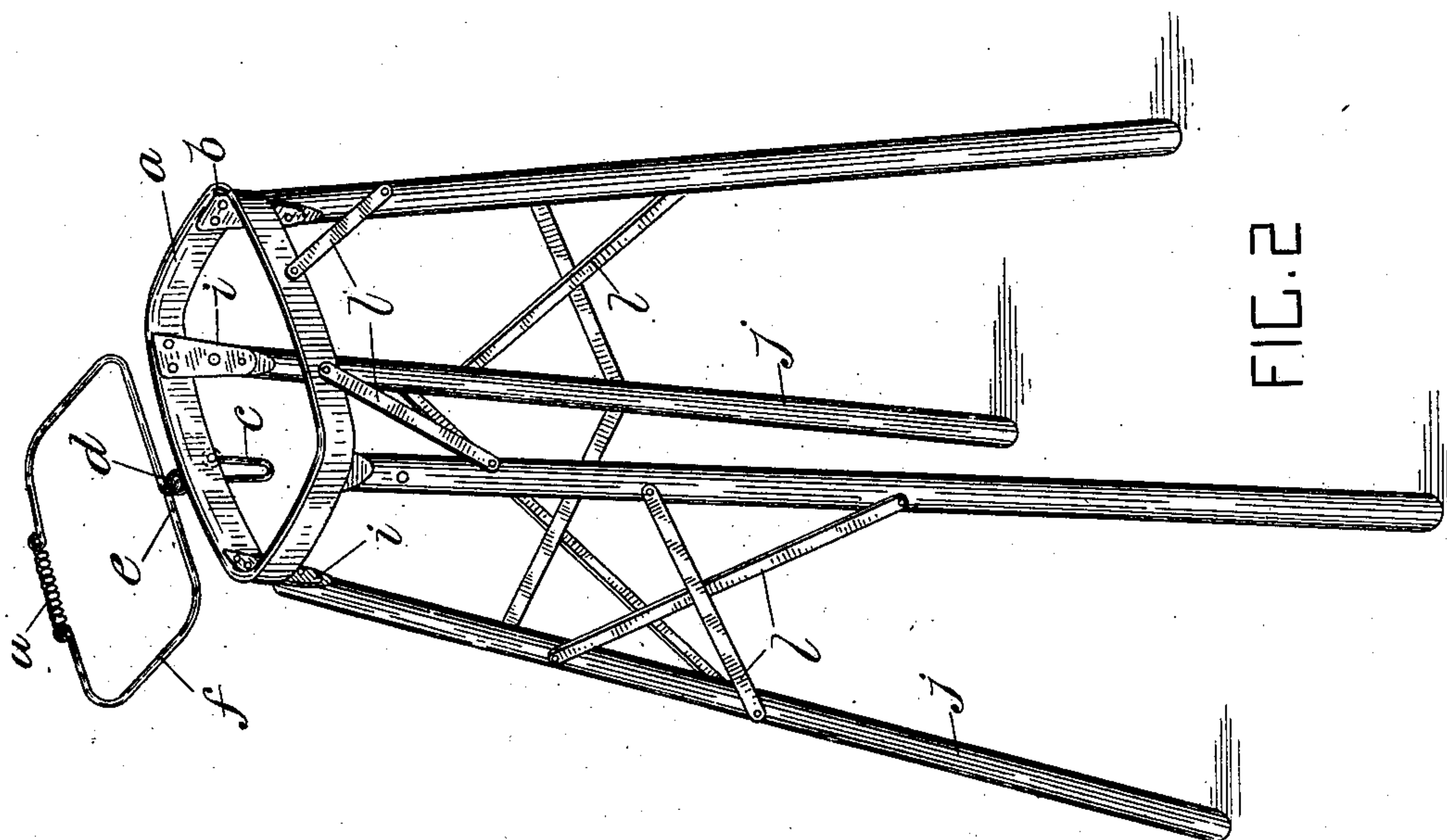
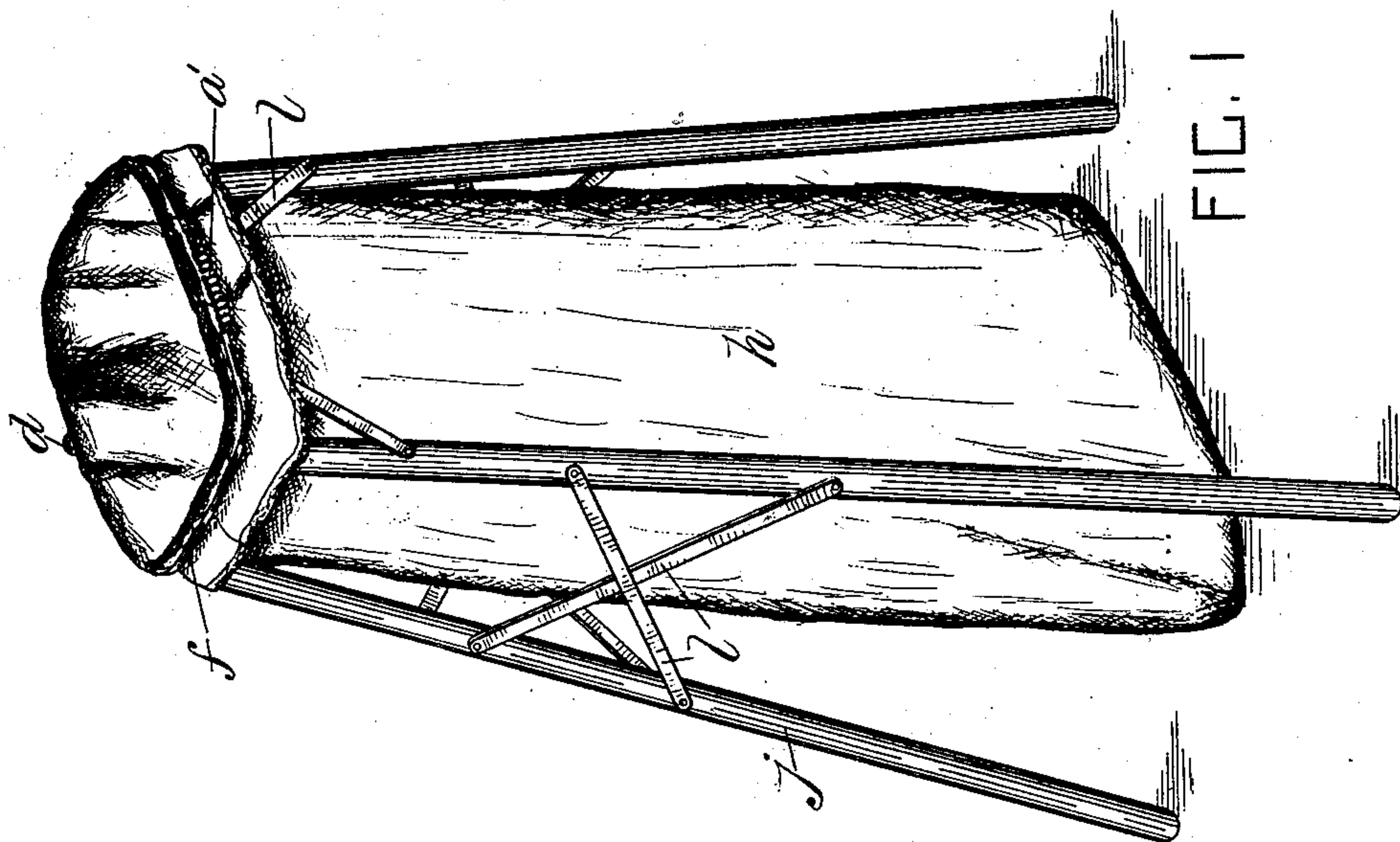
PATENTED MAR. 15, 1904.

D. MADDEN & W. A. THOMPSON.

BAG HOLDER.

APPLICATION FILED DEC. 14, 1901.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

DANIEL MADDEN AND WILLIAM A. THOMPSON, OF CHEPSTOWE, CANADA;
SAID MADDEN ASSIGNOR TO SAID THOMPSON.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 754,580, dated March 15, 1904.

Application filed December 14, 1901. Serial No. 85,866. (No model.)

To all whom it may concern:

Be it known that we, DANIEL MADDEN and WILLIAM A. THOMPSON, British subjects, residing at Chepstowe, in the county of Bruce and Province of Ontario, Canada, have invented certain new and useful Improvements in Bag-Holders; and we hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to that class of bag-holders having a rigid frame over which the mouth of the bag is distended while being filled, and it relates more particularly to a bag-holder which can be used with any of the usual sizes of bags or sacks to distend the mouth for filling purposes and to securely hold the bag in an upright position until it has been removed from the bag-holder; and the invention consists, essentially, of a hollow distending-frame supported by a series of standards of suitable height and strength and provided with a clamping-band adapted to bind the bag between itself and the distending-frame, as hereinafter more fully set forth, and more particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the bag-holder, showing the bag in position. Fig. 2 is a perspective view of the bag-holder with the bag removed, showing the position of the clamping-band before the bag is placed in position.

Like letters of reference refer to like parts throughout the specification and drawings.

The distending-frame *a* of the bag-holder is of any suitable size and shape, its dimensions being slightly less than the area of the mouth of the smallest size of bag with which it is intended to be used. At the top of the distending-frame *a* is an outturned flange *b*, and connected to the middle of the bottom of the back of the frame *a* is one end of a substantially U-shaped arm *c*, the opposite end of the arm *c* being upturned and provided with an eye *d*, into which is looped the back *e* of the clamping-band *f*. The clamping-band *f* is of substantially the same shape and size as the frame *a* which it is adapted to embrace, and to provide for its expansion and

contraction its ends are united by an extensible spring *a'*, so that when being moved into position on the frame *a* the spring will permit of the distending of the band to readily pass over the flange *b* and then quickly contract it to bind the bag between itself and the frame.

In placing the bag *h* on the bag-holder the clamping-band *f* is opened into the position shown in Fig. 2, and the top or mouth of the bag is passed through the frame *a* and turned down over the outer side of the same, the clamping-band *f* being then turned into the position shown in Fig. 1 to clamp the bag between itself and the frame. The clamping pressure of the band *f* on the bag securely binds it against the distending-frame and prevents the downward strain of the contents of the bag separating it from the bag-holder. The frame *a* is provided with downwardly-directed lugs *i*, to which are connected the standards or supports *j*, these standards being rigidly braced by stay-rods *l*.

By reference to the drawings it will be noticed that the standards or supports at the back of the bag-holder are slightly longer than those at the front, so that the back of the bag-holder will be slightly higher than the front to facilitate the filling of the bag. As shown in the drawings, the frame *a* and clamping-band *f* are of a substantially rectangular shape; but the shape of the rim and clamping-band can be varied without departing from the nature of the invention and so also can the shape and height of the standards. It will be noticed by reference to the drawings that no stays or braces are shown to be connected to the front standards or supports other than the stay-rods *l* at the top of the standards, the object of this construction being to permit of the ready removal of the bag from the bag-holder when filled.

By means of this construction the bag-holder can be used in any position and under all conditions for filling bags with any and all classes of goods. If it is desired to weigh the bags as they are being filled, the bag-holder can be set to straddle a scale so that the bag will rest upon its platform.

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

1. In a bag-holder the combination of the
5 supporting-standards, a distending-frame rigidly secured to the top thereof having an out-turned flange surrounding its entire upper edge, an upturned U-shaped arm connected to the distending-frame, a clamping-band con-
10 nected to the U-shaped arm and adapted to embrace the distending-frame and a tension-spring connected to the ends of the clamping-band to allow of the expansion and contraction thereof, substantially as specified.

15 2. In a bag-holder, the combination of a surrounding supporting-frame, stay-rods secured to said frame, a substantially rectangular distending-frame provided with outwardly-bent surrounding flange upon the upper edge
20 thereof adapted to receive the upper edge of

a bag, and having the same folded downward and over the same, a supporting device composed of a single piece of wire having a short terminal secured exteriorly of the distending-frame and a long arm projecting above and
25 in line with the lower edge of the flange of the distending-frame and provided with an eye, an open clamping-band loosely connected intermediate of its length to said eye of the supporting device and an extensible spring
30 connecting the terminals of the band and adapted to hold the band in close contact with the bag's mouth upon the distending-frame below the flange thereof.

Chepstowe, December 4, 1901.

DANIEL MADDEN.

WILLIAM A. THOMPSON.

In presence of

DAVID ROBERTSON,
W. E. COLLINS.