

(No Model.)

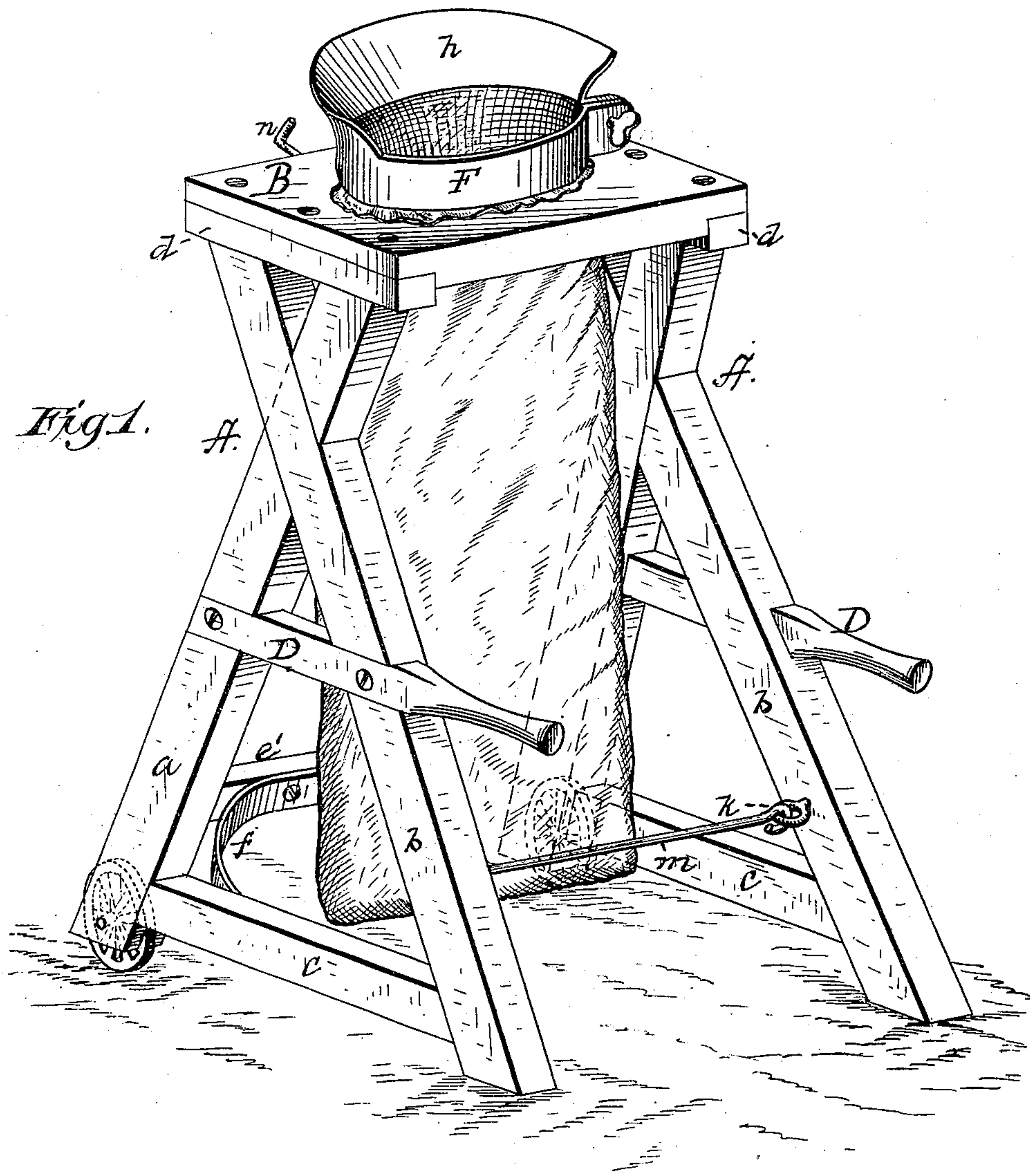
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J. F. DRAPER.

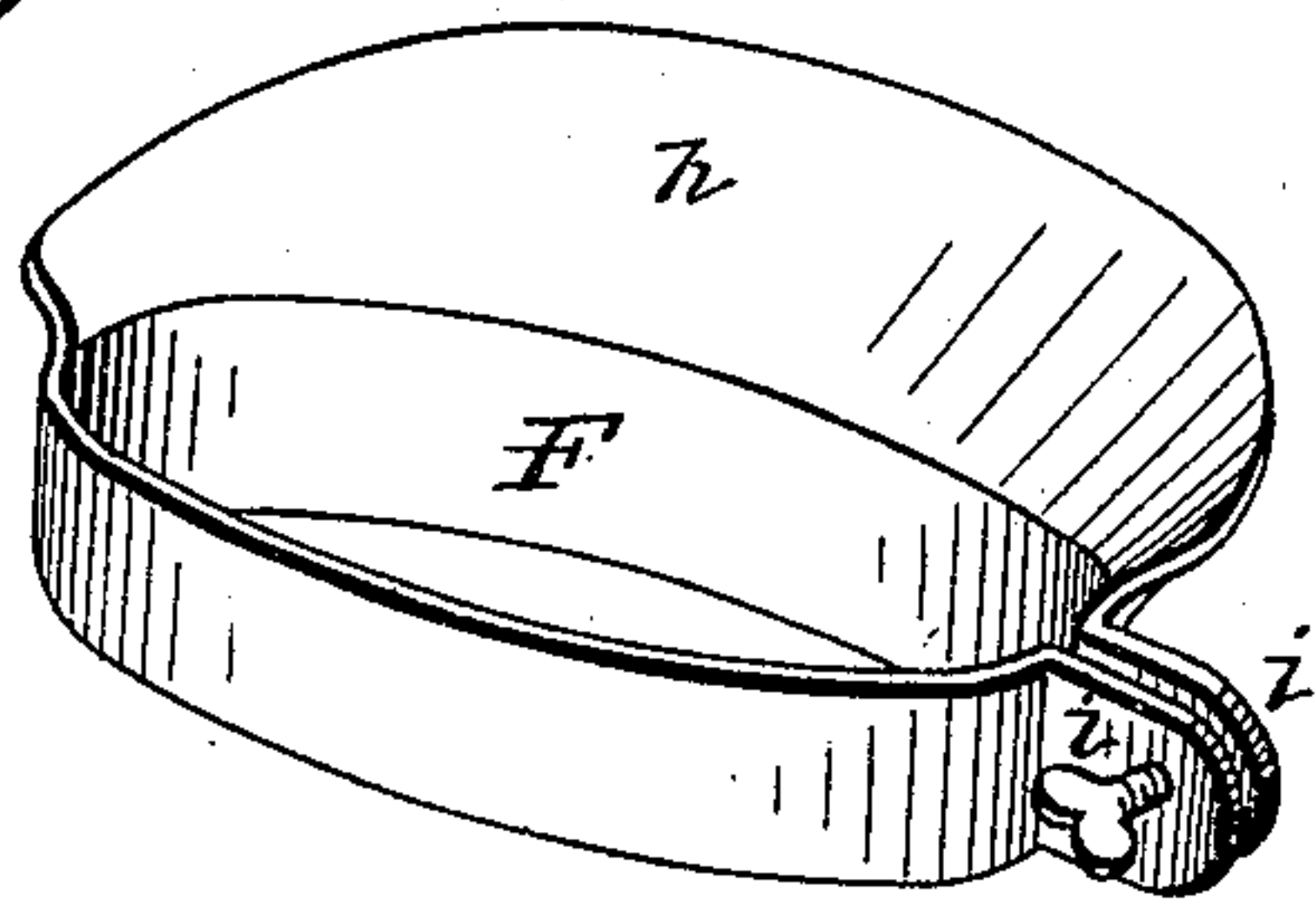
COMBINED BAG HOLDER AND TRUCK.

No. 246,667.

Patented Sept. 6, 1881.



*Fig. 3.*



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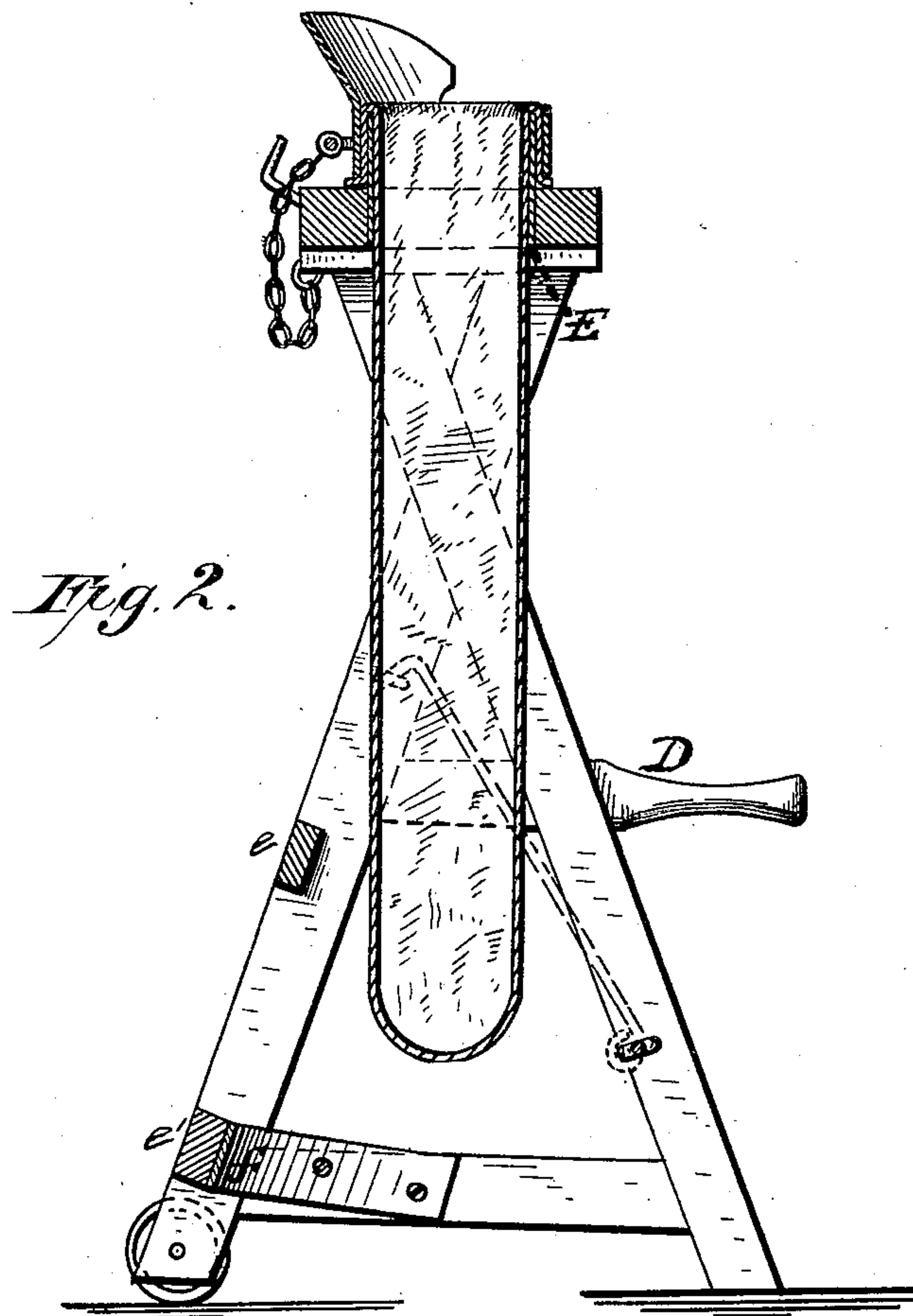
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# UNITED STATES PATENT OFFICE.

JOHN F. DRAPER, OF PLATTEVILLE, WISCONSIN, ASSIGNOR OF ONE-HALF  
TO ANDREW J. SMITH, OF SAME PLACE.

## COMBINED BAG HOLDER AND TRUCK.

SPECIFICATION forming part of Letters Patent No. 246,667, dated September 6, 1881.

Application filed March 11, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN F. DRAPER, a citizen of the United States, residing at Platteville, in the county of Grant and State of Wisconsin, have invented certain new and useful Improvements in Combined Bag Holders and Trucks; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in bag-holders; and the objects are to construct a bag-holder that is capable of being handled like a truck or wheelbarrow, and to manufacture a bag-holder frame that shall be durable, substantial, and cheap.

It is a well-known fact that bag-holders are subjected to very rough usage in being knocked about and handled; hence the importance of constructing a substantial and durable frame for a bag-holder.

My invention consists in the combination, with the bag-frame having the truck-wheels and side handles, of a rod pivoted at one end to the inner side of the side frame, and adapted to engage with an eye on the opposite side frame, whereby a bracing action is afforded to the front portion of the frame while in use, and said rod is capable of being thrown back when not needed for bracing purposes.

My invention also consists in combining with the bag-holder frame, having in its platform a bag-hole and an elevated bag-ring, the adjustable clamping-ring formed with the upward flaring hopper-section, for the purpose herein-after stated.

My invention also consists in the novel construction of the adjustable clamping-ring adapted to assist in clamping and securing in position bags of different dimensions or thicknesses, as will be hereinafter described and claimed.

My invention also consists in the novel construction and combination of parts, as will be hereinafter more fully set forth, and pointed out in the claims.

Figure 1 of the drawings is a perspective view of my improved bag-holder. Fig. 2 is a central vertical sectional view of the same. Fig. 3 is a perspective view of the detachable clamping-ring.

In the annexed drawings, forming a part of this specification, the letters A A represent the side frames, each of which consists of the two pieces *a b*, mortised, halved, and crossed near their upper ends, forming means to support the top or platform B. The lower part or portion of these pieces, below the cross, diverges in opposite directions, and forms the legs for the machine. The lower ends, near the base of these legs, are braced by means of the bars *c*, which will prevent any spreading of the legs at this point. The upper ends of these leg-pieces *a b*, above the cross, are connected by the bars *d*, to which the top or platform is fastened by means of suitable screws or bolts. The front legs of the side frames are connected at their forward portion, below the crossing, by means of the bars *e e'*, and they prevent any tendency to twist and displacement of the side frames. These side frames are further braced at their base by means of the curved bar *f*, attached firmly to the inner faces of the side brace-bars, *c*, and the lower front brace-bar, *e'*, substantially as seen in Figs. 1 and 2 of the drawings.

To the lower ends of the front legs are suitably arranged and journaled substantial truck-wheels for moving the machine or the machine and filled bag from place to place, as desired.

To the side frames, at a natural height—about the height for the arms and hands of an ordinary-sized man—for lifting are the horizontal lifting-handles D D, the shanks of which are mortised into and fastened to the legs, as shown in Fig. 1 of the drawings. These handles also serve the purpose of braces for the legs.

The top piece or platform, B, is formed with a central oblong aperture or hole, to which is attached a metal cylinder, E, projecting a short distance, about one inch, above the upper surface of the platform, as seen in Fig. 2 of the drawings.

The letter F (see Fig. 3) represents a detachable clamping ring or cylinder, formed with an upward-flaring extension, *h*, serving as a guide-hopper for the material. This ring is split at



one end and formed with lugs *i i*, (see Fig. 3,) provided with screw-threaded perforations to receive an adjusting or clamping screw for expanding or contracting the dimension of the ring over the bag suspended upon the oblong ring E. By this adjusting means, in connection with the ring E, bags of any dimension and thickness can be adjusted, tightly clamped, and filled on my bag-holder.

10 The rear or filling side of the bag-holder (see Fig. 1) is provided with a hook, *k*, on the inner face of the right-hand leg, and a similar hook (not seen) on the inner face of the left-hand leg. To one of these hooks is pivotally attached a rod, 15 *m*, formed with a finger on the opposite end to engage with the other hook. These hooks and rod, when coupled, as indicated in Fig. 1, constitute a bracing means to the legs at this point while the machine is in use. When the bag 20 is to be removed the rod is raised at one end from its engaging-hook and adjusted out of the way, in the manner as indicated by dotted lines in Fig. 2, so that free access is had to the supported bag for its easy and ready removal 25 without raising the same over stationary cross braces or bars.

The mode of attaching and suspending the bag to the frame to be filled is as follows: The mouth or open end of the bag is passed over 30 the ring or flange E of the top, and held in position, by means of the clamping-ring F, with the upward-flaring extension *h*, serving the office of a hopper, adjusted over the same, as shown in Figs. 1 and 2 of the drawings. The 35 clamping-ring F is coupled to the platform by means of a chain or its equivalent, to prevent misplacng, and when the machine is in use in filling bags the ring, when removed, will rest upon the inclined hooks or bars *n*, secured to 40 the forward portion of the platform.

It will be seen by this construction that a very simple and durable bag-holder is produced capable of standing the rough usage; also, bags of different dimensions and thick- 45 ness may be adjusted and secured in position and filled readily, owing to the novel organ-

ization of the ring F and the hopper-section *h*, as shown in Fig. 1 of the drawings.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a bag-holder, the combination, with 50 the bag-frame having the lifting side handles, of a rod pivoted at one end to the inner side of the side frame and adapted to engage with an eye on the opposite side frame, whereby a bracing means is given to the front or filling 55 side of the frame while the holder is in use and said rod is rendered capable of being thrown back when not needed for bracing purposes, as described. 60

2. The adjustable clamping-ring F, adapted to assist in clamping and securing in position bags of different dimensions or thicknesses, split at one end and formed with the side lugs *i*, and constructed with the upward-flaring ex- 65 tension *h* on one side, serving as a guide-hopper for the material, and provided with an adjusting-screw, substantially as shown and described.

3. The combination, with the bag-holder 70 frame having in its platform or top piece a bag-hole, and an elevated oblong ring over which the mouth end of the bag is passed, of the adjustable clamping-ring F, formed with an upward extension or hopper-section, *h*, for 75 clamping and securing the bag over the said elevated ring and conducting the material to the bag, substantially as described.

4. The improved bag holder and truck consisting of the braced side frames with the side 80 handles D, pivoted bracing-rod *m*, and truck-wheels, the platform B, provided with the oblong ring E for the passage and suspension of the bag, and the adjustable clamping-ring F, with the hopper-section *h*, substantially as 85 shown and described.

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

JOHN FORNEY DRAPER.

Witnesses:

WILLIAM COWDUROY,  
HENRY W. COWDUROY.