

(No Model)

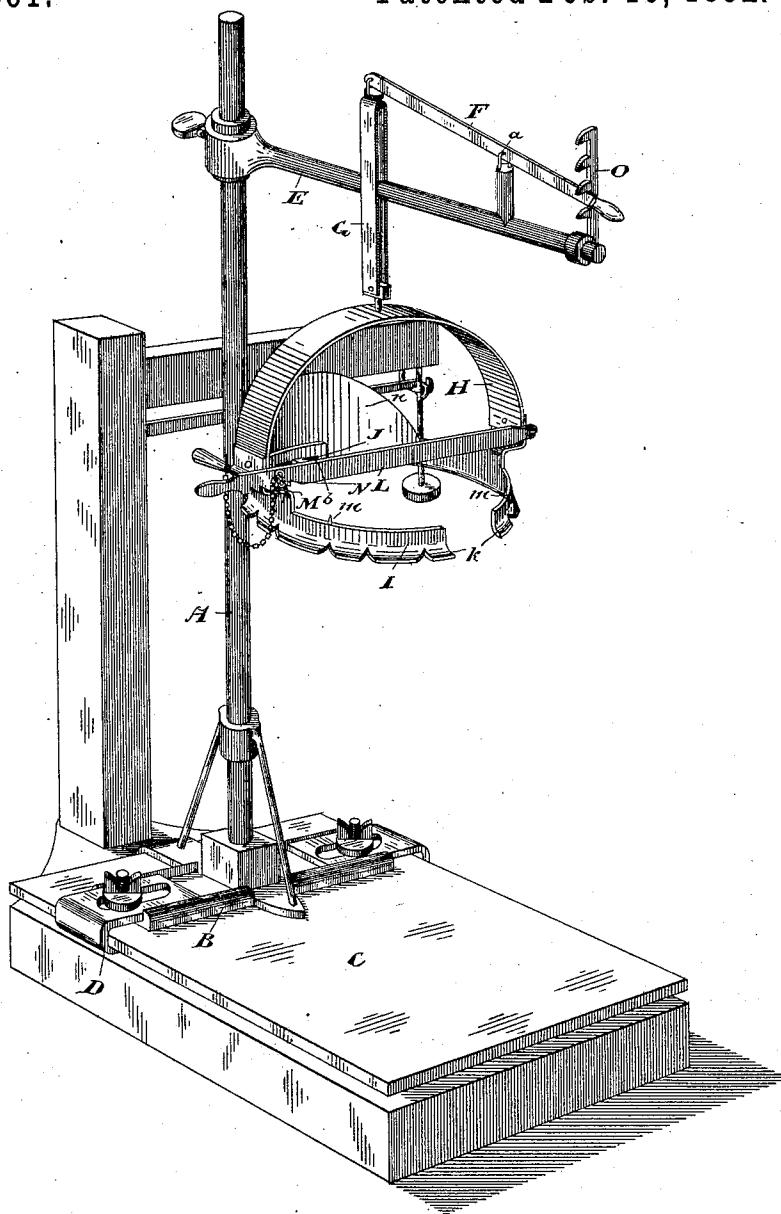
2 Sheets—Sheet 1.

F. S. HENNING & W. PIGOTT.
BAG HOLDER.

No. 469,061.

Patented Feb. 16, 1892.

Fig. 1



Witnesses.

H. Bauer
John C. Cameron

Inventors.

Frederick S. Henning
William Pigott
by *Donald C. Ridout & Co.*
Attys.

(No Model.)

2 Sheets—Sheet 2.

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Fig. 2

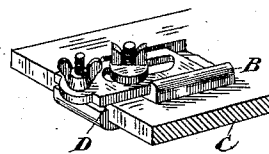
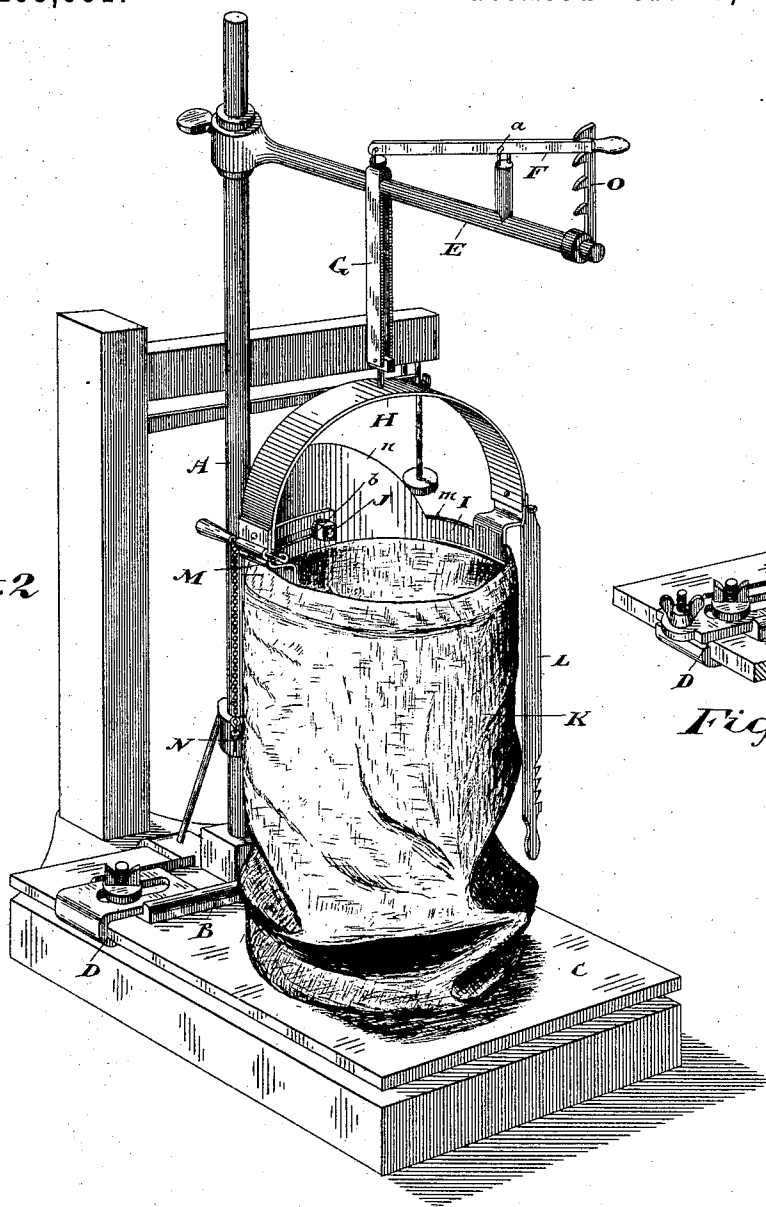


Fig. 3

Witnesses.

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UNITED STATES PATENT OFFICE.

FREDERICK S. HENNING AND WILLIAM PIGOTT, OF TORONTO, CANADA.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 469,061, dated February 16, 1892.

Application filed March 5, 1891. Renewed December 7, 1891. Serial No. 414,281. (No model.)

To all whom it may concern:

Be it known that we, FREDERICK SAYERS HENNING and WILLIAM PIGOTT, both of the city of Toronto, in the county of York, Province of Ontario, Canada, have jointly invented a certain new and Improved Bag-Holder, of which the following is a specification.

The object of our invention is to provide a simple and easily-manipulated bag-holder; and it consists, essentially, of the particular arrangement of parts hereinafter specified, and then definitely claimed.

Figure 1 is a perspective view of our improved bag-holder without a bag. Fig. 2 is a similar view showing the bag placed in position. Fig. 3 is a detail of an adjustable clamp.

In the drawings, A represents a post fixed by a clamping device B to a platform provided with wheels, making it easy to move. In the drawings we have shown the clamping device fixed to the platform C of an ordinary weighing-scale. The parts D of the clamping device B are made adjustable, as indicated, so that the said clamping device can easily be adjusted to suit a platform of various widths.

In Fig. 3 we show the clamp D arranged so that it can be readily adjusted to suit platforms of different thicknesses.

E is an arm movably fitted upon the post A and provided with a set-screw or other clamping device by which the said arm may be held at any desired altitude.

F is a lever pivoted on *a* on the arm E. A link G is suspended from the end of the lever F and straddles the arm E, so that the curved spring H, which is suspended from the said link, shall be immediately below the arm E. A divided ring or hoop I is formed upon or connected to curved spring H, one half of the ring or hoop I being fixed to one end of the said spring and the other half to the opposite end of the said spring, the two halves being connected together by a bolt J, which is connected to one half of the ring or hoop I and passes through a slot *b*, made in the other half, in such a manner that the ring or hoop I may be expanded or contracted for the purpose hereinafter explained. An outwardly-projecting flange *k* is formed around the bottom edge of the ring or hoop I, and two or more spikes *m* project from the top edge of the said ring or hoop I. In order to hold the

mouth of the bag K open, it is drawn over the ring or hoop I, which has previously been contracted and held contracted by a bar L, which is pivoted on one side of the curved spring H, and fits over a lug M, projecting from the opposite side of the said spring. It will be observed that there are a number of notches made in the bottom of the bar L, so that the ring or hoop I may be contracted more or less, as desired. When the bag has been slipped onto the ring or hoop I, the bar L is pushed off the lug M, and in response to the action of the curved spring H the ring or hoop I is expanded, so as to grip the bag and hold its mouth open. The outwardly-projecting flange *k*, formed around the ring or hoop I, causes the said ring or hoop to hold the bag K firmly. In order to prevent the bar L jumping off the end of the lug M when the ring or hoop I is contracted and held by the said bar L, we insert a pin N into the lug M, as shown in Fig. 1. A notched projection O extends from the arm E and is designed to receive the lever F, as indicated in the drawings. By this lever and notched projection the ring or hoop I may be raised or lowered, as desired. When the bag K is first put on the ring or hoop I, the lever F is adjusted so as to lower the bag and bring its mouth within as convenient a distance from the ground as possible, so that the party filling it will not be obliged to raise the shovel any higher than necessary. As the bag is filled the lever F is adjusted so as to raise the mouth of the bag, as may be required to shake down its contents and thoroughly fill the bag.

When our bag-holder is fixed to the platform C of a weighing-scale, the weight of the contents of the bag will be indicated, so as to enable the party filling the bag to see when a sufficient quantity has been put into the bag. It will of course be necessary to subtract the weight of the post and parts from the weight indicated on the scale unless the scale has first been adjusted to allow for the weight of the parts referred to. The arm E is made vertically adjustable, as indicated, so that its parts connected therewith may be adjusted to suit bags of various sizes. It will be observed that a shield *n* is formed on the back of the ring or hoop I, which shield is intended to prevent the party filling the bag throwing the material past its mouth.

It will be observed that by the location of the bar across the center of the hoop it not only acts to the best advantage in holding the ring or hoop closed while the bag is being attached or detached, but it is in the best position to be readily manipulated without being in the way, for if it were behind the bag-holder, as has been proposed, it would be awkward to get at, and if in front it would be in the way; but with the bar L arranged as shown it is quite handy for use to hold the ring for the bag to be attached or detached, and is entirely out of the way when the bag is being filled.

15 What we claim as our invention is—

1. A divided ring or hoop connected to the ends of a curved spring suitably suspended, in combination with a notched bar pivoted on one side of the spring and extending centrally across the hoop and constructed to hold said spring in a contracted condition, substantially as described.

2. A divided ring or hoop connected to the

ends of a spring suitably suspended from a vertical standard and cross-arm, in combination with a notched bar pivoted on one side of the spring and extending centrally across the hoop in front of the standard and constructed to hold said spring in a contracted condition, substantially as described.

3. The combination of the vertical post A, the adjustable arm E, having a post and a notched bar rising therefrom, the lever F, pivoted on the post, the link G, dropping down on both sides of the arm E, a curved spring suspended from the link, a divided ring attached to the spring under the lever F, and a lever for holding the ring in the desired position for the attaching or detaching of the bag, all substantially as described and shown.

Toronto, February 5, 1891.

FREDERICK S. HENNING.

WILLIAM PIGOTT.

In presence of—

CHARLES C. BALDWIN,

JOHN E. CAMERON.