M. B. HUDSON

BAG-HOLDER.

No. 191,965. Patented June 12, 1877.

Fig. 1.

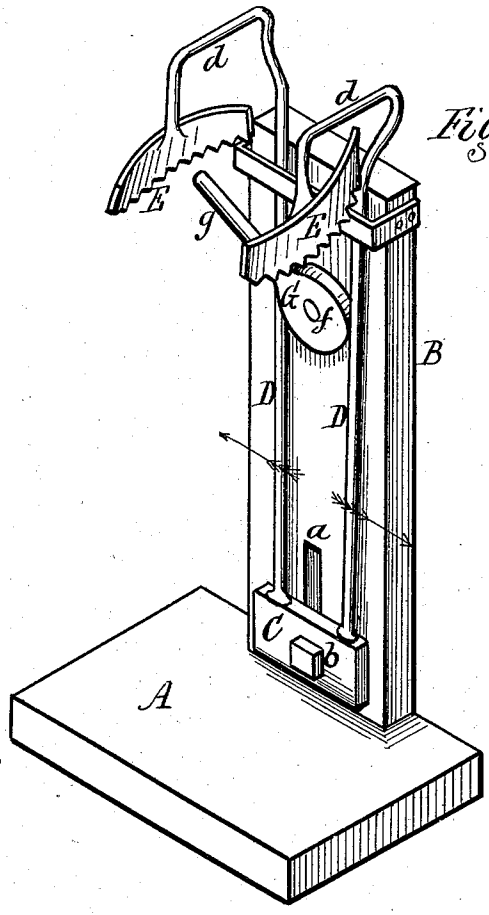


Fig. 2.

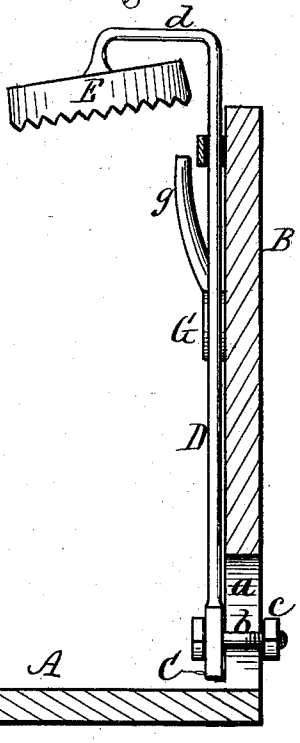


Fig. 3.



Attest.
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UNITED STATES PATENT OFFICE.

MILLER B. HUDSON, OF CANANDAIGUA, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO HENRY F. STERLING, OF SAME PLACE.

IMPROVEMENT IN BAG-HOLDERS.

Specification forming part of Letters Patent No. **191,965**, dated June 12, 1877; application filed May 7, 1877.

To all whom it may concern:

Be it known that I, MILLER B. HUDSON, of Canandaigua, in the county of Ontario and State New York, have invented a certain new and useful Improvement in Bag-Holders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a vertical cross-section of the same. Fig. 3 is a horizontal cross-section above the cam.

My improvement relates to that class of bag-holders in which spring-arms are employed, having serrated jaws at the top, which expand to hold the mouth of the bag. Such devices are already known; but the spring-arms have usually been made separate from each other, which renders it difficult to adjust both at an equal height, besides making the device expensive.

My invention consists of an attachment composed of spring-arms attached to a sliding block, by which the whole may be adjusted bodily, combined with a cam or eccentric fitting between the spring-arms for expanding the latter, as hereinafter more fully described.

A represents a platform of ordinary form, and B is a standard rising therefrom. This forms the frame. The standard is provided at its lower end with a vertical slot, *a*, of a height equal to the difference in length of various bags.

C is a metallic block, which slides up and down over the lower end of the stardard, being secured at any adjustment by a headed bolt, *b*, which passes through the slot *a*, and has a nut, *c*, behind.

D D are two spring-arms, made of steel wire, so as to have an inherent elasticity of their own. They are attached at the bottom to the sliding block C, either by being riveted thereto or cast in, or in any suitable manner. At the top these arms are bent outward and then downward, as shown at *d d*, and to their extremities are attached the serrated jaws E E, which fit inside the mouth of the bag, and hold and distend the same while it is being filled.

The tendency of the arms is to spring inward toward the center, so as to release the bag. They are thrown out to engage the bag by a cam or eccentric.

G is the cam or eccentric. It rests between the arms D D at a suitable height, and is pivoted at *f* to the standard B. It has a handle, *g*, extending out within reach of the operator.

To insert the bag upon the jaws, the handle of the cam is raised, which allows the spring-arms to collapse. When the bag is in place the handle is pressed down, which expands the jaws within the mouth of the bag, as indicated by the arrows in Fig. 1.

I am aware that a device having similar jaws is already in use; but the arms are separate and detached from each other, and in adjusting higher or lower two separate adjustments must be made, and it is very difficult to adjust the two arms so that the jaws will work well. One of the arms only has a spring, and that is connected with the bottom of the stiff arm, and the arms spring outward instead of inward. I therefore disclaim the principle of spring-arms and serrated jaws.

My invention consists in attaching the spring-arms to the sliding block C, so that the whole will adjust bodily together, thereby retaining the same relative position of the jaws at all adjustments; also, in combining with the same the eccentric G, by which the arms can be operated at any adjustment. By this means, also, the cost of the device is greatly reduced, and the device is in much simpler form.

I do not claim, broadly, spring-arms and serrated jaws.

I claim—

The attachment consisting of the spring-arms D D and sliding block C, connected together to form one device, in combination with the pivoted cam G, resting between the arms, for the purpose of expanding them at any adjustment, as herein shown and described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

MILLER B. HUDSON.

Witnesses:

H. F. STERLING,

R. F. OSGOOD.