

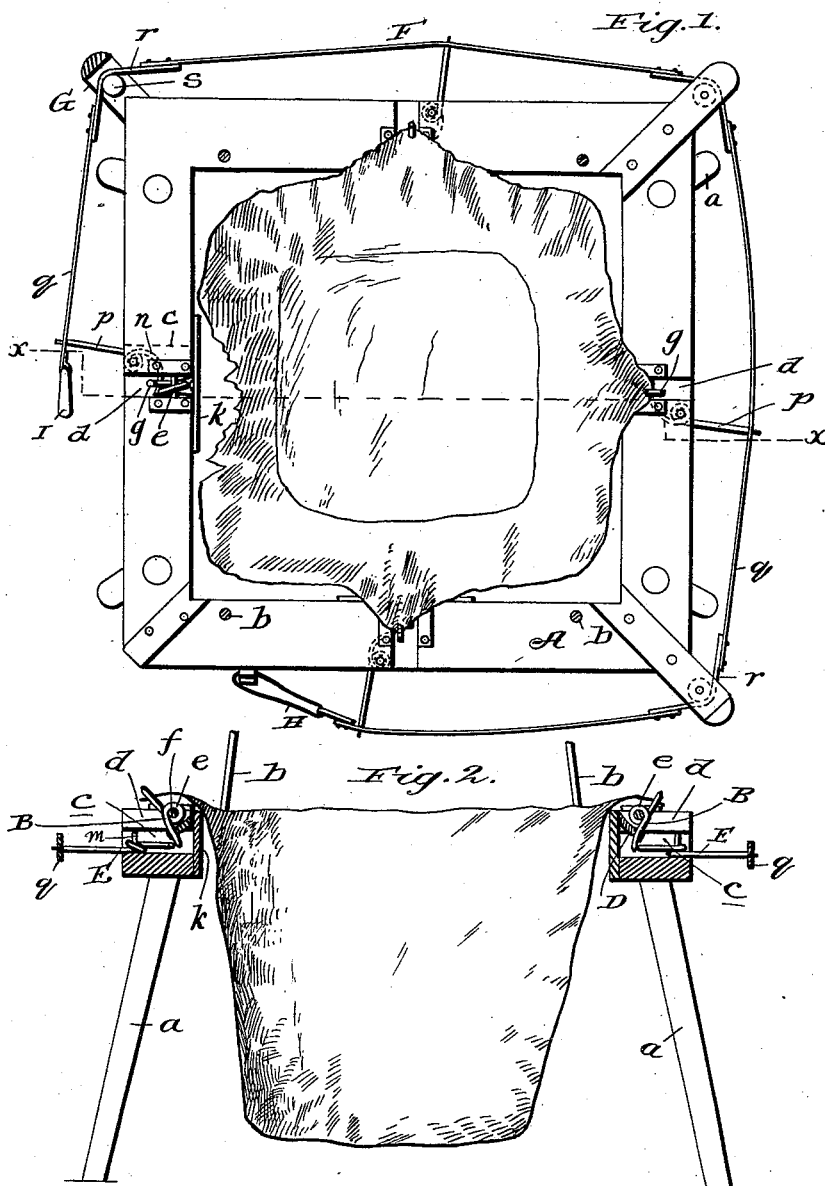
(No Model.)

2 Sheets—Sheet 1.

E. ATTAWAY.  
BAG HOLDER.

No. 523,097.

Patented July 17, 1894.



Witnesses;  
C. H. Paedler  
W. P. Matthews.

Inventor  
Elisha Attaway  
By James J. Shuey  
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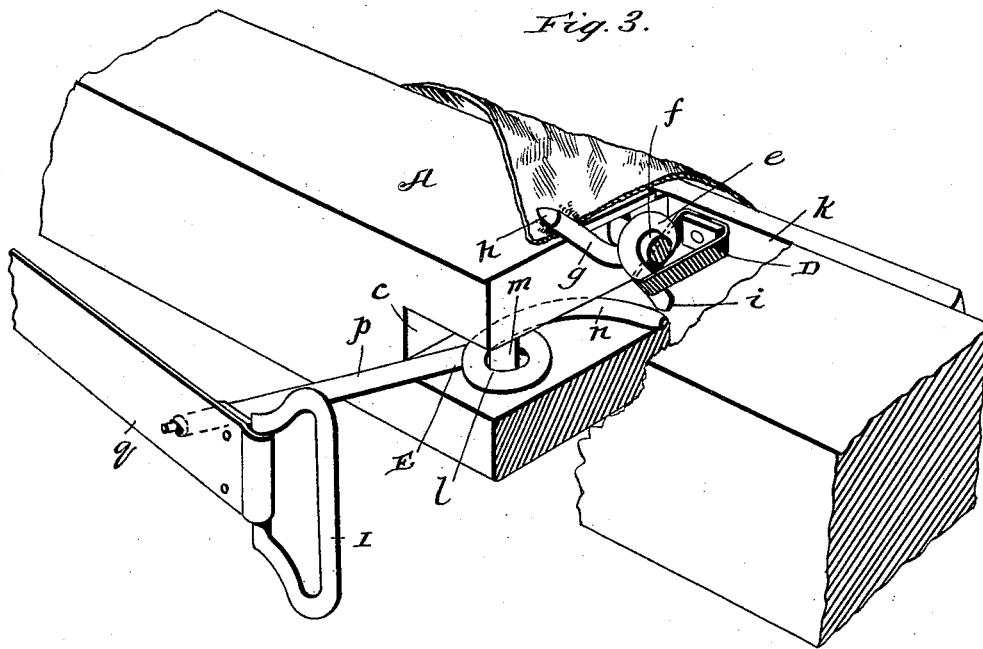
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C. A. Jaeder  
N. F. Matthews.

Inventor

Elisha Attaway

*By James J. Sheehy*

*Stlorney*

# UNITED STATES PATENT OFFICE.

ELISHA ATTAWAY, OF GRAND CANE, LOUISIANA, ASSIGNOR OF ONE-HALF  
TO WILLIE ATTAWAY, OF SAME PLACE.

## BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 523,097, dated July 17, 1894.

Application filed March 12, 1894. Serial No. 503,318. (No model.)

*To all whom it may concern:*

Be it known that I, ELISHA ATTAWAY, a citizen of the United States, residing at Grand Cane, in the parish of De Soto and State of Louisiana, have invented certain new and useful Improvements in Bag-Holders; and I do 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.

This invention has relation to an improvement in bag holders, and it has for its prime object to provide a holding device, which will effectively hold the mouth of a bag open, and release all of the hooks or holders simultaneously by the manipulation of a belt or strap so that the operation may be performed rapidly and at a comparatively small expense.

Other objects and advantages will appear from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1, is a plan view of my improved device with parts in section and illustrating a bag in position. Fig. 2, is a vertical, sectional view of the same taken in the plane indicated by the dotted line  $x-x$ , on Fig. 1. Fig. 3, is an enlarged perspective, detail, sectional view.

Referring by letter to said drawings:—A, indicates a frame, which is designed to be suitably supported in a horizontal position. This frame is here illustrated as of a general rectangular form in outline, but I would have it understood that I do not confine myself to any shape or configuration of frame or to the employment of any particular material in its manufacture. This frame is usually supported upon four legs  $a$ , or other suitable supports, and in some cases, and particularly when sacking or bagging cotton seed, the frame may be swung or suspended by means of rods  $b$ , in which case the legs will of course be omitted.

In employing a rectangular frame, I provide a pivoted hook or holder and trigger in each of the four walls, and if the shape of the frame is varied, these hooks and triggers are arranged at suitable intervals to receive the mouth of a bag.

The frame may be provided with recesses  $c$ , in its outer side walls for the reception of

the triggers, and these recesses extend into recesses  $d$ , in which are placed the pivoted hooks or holders.

B, indicates the hooks or holders. These holders for the sake of cheapness in manufacture, may be made from stout wire coiled or formed with an eye  $e$ , at a suitable point in their length, to receive a journal pin  $f$ , which is placed in the recess  $d$ . The upper end or branch  $g$ , of these holders extends above the frame and is pointed, as shown at  $h$ , so as to take into the material of the sack. The other or lower branch  $i$ , which is in the recess  $d$ , is connected with one wall  $k$ , of said recess by means of a spring so as to keep the hooked or pointed end normally in an operative position to receive the sack.

The spring D, is here shown as a rubber band, receiving within it the branch  $i$ , of the holder, and fastened to the wall  $k$ , of the recess by means of a bolt and nut, but I do not wish to confine myself to any character of spring as it obvious that a spiral or other suitable spring might be employed.

E, indicates the trigger; there being one employed for each hook or holder. These triggers are also preferably formed of stout wire bent at a suitable point to form an eye  $l$ , to receive a journal pin  $m$ , which pins are arranged relatively at right angles to the journal pins  $f$ , so that the plane of movement of the triggers will be at an angle to the movement of the hooks or holders. The inner ends of the triggers are curved, as shown at  $n$ , and are designed to engage the inner ends  $i$ , of the hooks or holders and limit the movement of the latter so that when a bag has been placed over the hooks, said hooks will remain rigid until the triggers have been moved to release engagement therewith. The outer ends or branches  $p$ , of the triggers project sufficiently beyond the frame and take into apertures in the manipulating strap F, for a purpose which will presently appear. This strap F, which is designed to operate the triggers and consequently the hooks or holders, passes partly around the frame as shown, and I prefer to construct it of strips  $q$ , of sheet iron or other metal, and leather straps  $r$ , at the corners, as I find by experience that a certain amount of rigidity is very desirable

and which can be had in the use of sheet metal, while the straps at the corners permit a free and easy movement. It is obvious however that even this might be changed according to the fancy or dictation of the mechanic.

5 In order that this manipulating strap might work more freely, I prefer to employ arms or corner brackets G, having slots for the passage of the strap and in these slots, I provide

10 vertically-disposed friction rollers s. I connect one end of this manipulating or operating strap to a suitable point of the frame, by means of a spring H, which is here shown as a band of rubber, although a spiral or other

15 spring might be used, and I provide the opposite end of the strap with a hand loop or grasp I. By the use of this spring H, it will be seen that the triggers will be normally held in rear of and against the lower branches

20 of the hooks or holders, so as to retain them in a proper position to receive and hold the bag, while by grasping the hand loop I, and pulling it, all of the triggers will be simultaneously moved to disengage the hooks or

25 holders, and as the weight of the filled bag will be sufficient to overcome the force of the springs D, the said bag will draw the hooks or holders upon their pivot bearings, and become disengaged therefrom.

30 I do not wish to be understood as confining myself to the character of operating strap shown and described as it may be possible to use a rope or cord without departing from the spirit of my invention.

35 In operation, an empty sack is placed in the frame and the mouth, at suitable points, placed over the hooks or holders, the bag being filled in the usual manner by the attendant simply grasping the loop I, and pulling it,

40 the spring H, will be drawn out, and each trigger simultaneously disengaged from the lower branches of the holders, the weight of the bag will then turn the hooks or holders upon their pivots and disengage therefrom,

45 when it may be removed and another one quickly replaced. As quick as the bag releases itself from the hooks or holders, the springs D, will return to their normal positions, so that as soon as the movement of the

triggers has been reversed, they will find the 50 lower branches of the hooks or holders in a position to be engaged thereby.

Having described my invention, what I claim is—

1. A bag holder comprising a suitable frame, 55 a plurality of hooks or holders pivoted in said frame and backed by springs, a trigger for each holder also pivoted in the frame, and movable in a plane relatively at right angles to said holders, an operating strap connected 60 with the triggers, and a spring connecting the strap with the frame, substantially as specified.

2. A bag holder, comprising a suitable frame, a plurality of spring-backed hooks or holders 65 pivoted in said frame, pivoted triggers adapted to engage the hooks or holders, and an operating strap engaging the triggers and movable in a plane at right angles to that of the hooks or holders, substantially as specified. 70

3. In a bag holder, the frame having the recesses as described, the hooks or holders pivoted therein, and having their hooked or pointed ends projected out of the frame, the springs attached to the opposite or inner 75 ends of said hooks or holders, the triggers also pivoted in the recesses, and movable in a plane at right angles to the hooks or holders, and the operating strap having a hand loop, and arranged in suitable guides, and 80 connected with the triggers, and a spring connecting one end of said strap with the frame, substantially as specified.

4. The frame having the recesses, as described, the arms or brackets at the corners 85 having guide apertures and friction rollers therein, the operating strap passing around said rollers and composed of the sheet metal strips and corner straps of leather, the pivoted triggers, and the pivoted hooks or hold- 90 ers, all combined, and adapted to operate, substantially as specified.

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

ELISHA ATTAWAY.

Witnesses:

WM. GOSS,

WILLIE ATTAWAY.