

C. H. THOMAS.  
Bag-Holders.

No. 141,186.

Patented July 22, 1873.

Fig. 1.

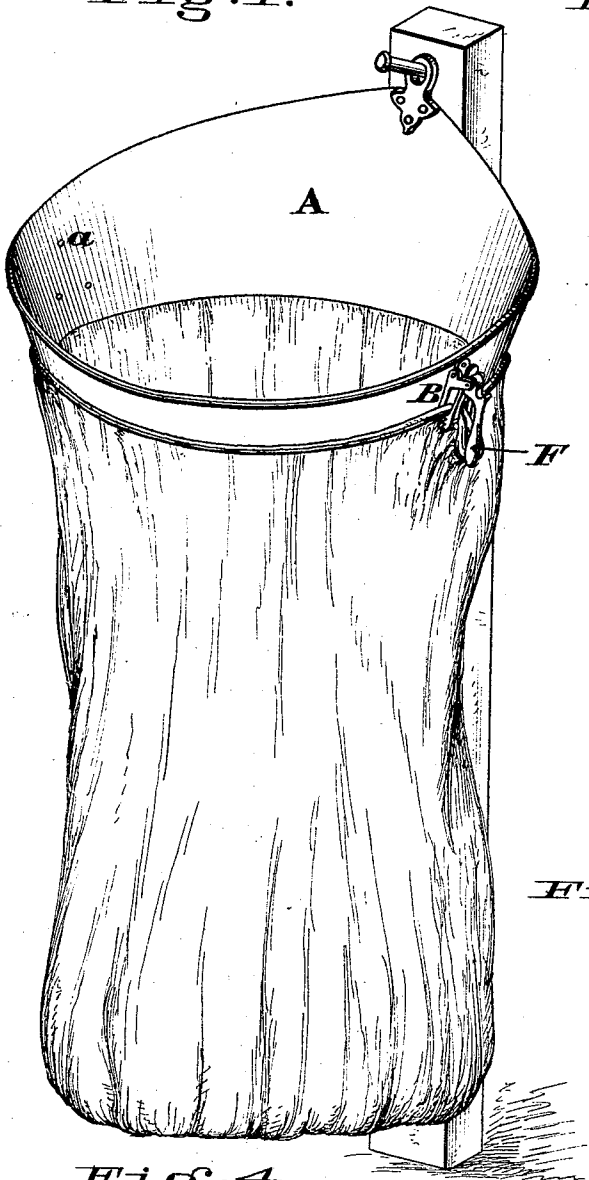


Fig. 2.

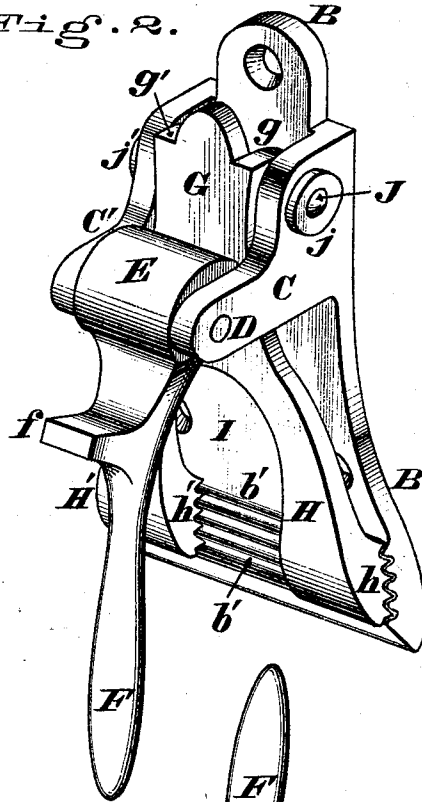


Fig. 3.

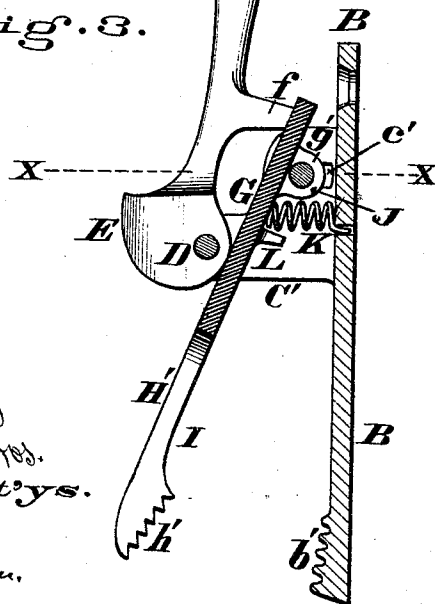
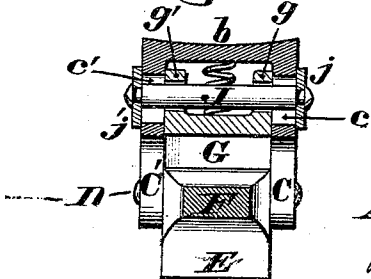


Fig. 4.



*C. H. Thomas*  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BAG-HOLDERS.

Specification forming part of Letters Patent No. **141,186**, dated July 22, 1873; application filed March 21, 1873.

*To all whom it may concern:*

Be it known that I, CHARLES H. THOMAS, of Williamsburg, Clermont county, Ohio, have invented certain new and useful Improvements in Bag-Holders, of which the following is a specification:

This invention relates to that class of devices which are attached to the exterior of a hopper or funnel for the purpose of temporarily securing thereto the mouth of a bag or sack to be filled; and the first part of my improvements consists in giving the jaw or clip, that retains the bag securely in its proper position around the hopper, a bifurcated form, which enables the holder to be used with sacks of various dimensions, as hereinafter more fully explained. The second part of my improvements consists in an arrangement of slotted lugs, eccentric lever, and spring, for the purpose of closing and opening the retaining jaw or clip, the details of these various devices being hereinafter fully described.

Figure 1 is a perspective view of a hopper or funnel with a sack attached to the same by means of my improved holder. Fig. 2 is an enlarged perspective view of the holder proper detached from the hopper. Fig. 3 is a vertical section through the holder. Fig. 4 is a horizontal section of the same taken at the line *x x*.

A represents a hopper or funnel, of any approved shape, to whose exterior is attached, by rivets *a*, the holder, which is constructed as follows: B represents a plate, which may be narrower at top than at bottom, and whose rear side is made concave or dished, as shown at *b*, in order that it may fit more accurately to the aforesaid hopper. Projecting outwardly from this plate are lugs or brackets *C C'*, near whose extremities is secured a shaft, *D*, which serves as a pivot for the operating eccentric or cam *E*. This eccentric is actuated by a lever or handle, *F*, having a laterally-projecting spur, *f*, for a purpose which will presently appear. The retaining clip or jaw *G* is bifurcated at *H H'*, so as to leave an interval or space, *I*, between the two members *H H'* of the said jaw. The bifurcated jaw *H H'* is preferably serrated at *h h'*, so as to securely press the bag into the corrugation *b'* of plate *B*. The clip or jaw *G* has near its upper end two rearwardly-projecting ears, *g g'*, that are traversed by the pintle *J*, which latter occupies slots *c c'* in the brackets *C C'*. Displacement of this pintle is prevented by the collars or

washers *j' j'*. Located between the plate *B* and jaw *G*, and below the pintle *J*, is a suitable spring, *K*, whose stress tends to maintain said jaw in its opened condition. Said spring may be of metal, having the represented spiral or other form, or of other suitable material, such as vulcanized rubber. A flange or stump, *L*, prevents the aforesaid spring dropping down from between the plate and clip.

To secure a bag or sack to the hopper, the handle *F* is elevated, as shown in Fig. 3, when the stress of spring *K* forces the jaw *H H'* away from the plate *B*. At the same time the stump *f* rests against the clip *G*, thereby maintaining the lever *F* a sufficient distance away from the side of the hopper to permit its being readily grasped by the hand of the operator. The mouth of the said sack is now applied around the hopper, and under the jaw *H H'*, and any surplusage of cloth is drawn through the interval *I*, between the members *H* and *H'* of said jaw. The lever *F* is then depressed to the position shown in Figs. 1 and 2, which act causes the eccentric *E* to bear against the clip *G*, thereby closing its jaw *H H'* and clamping the bag securely between the corrugations *b'* and serrations *h h'*. The bag having been filled, the lever *F* is again elevated, the bag removed from the hopper and another applied thereto, as previously described.

It will be seen that the slots *c c'* allow the pintle *J* to have a horizontal movement whenever the clip *G* is acted upon, either by the eccentric *E* or spring *K*.

I claim as my invention—

1. The provision in a bag-holder of the pivoted clip *G*, having the bifurcated jaw *H H'*, *I*, as and for the purpose described.
2. The combination of plate *B*, slotted lugs *C C' c c'*, shaft *D*, eccentric *E F*, retaining-clip *G g g' H H'*, shiftable pintle *J*, and spring *K*, or their equivalent devices, for the object stated.
3. The projection *f* on the handle *E*, in combination with the clip *G* in a bag-holder, adapted to operate substantially as herein described, for the purpose set forth.

In testimony of which invention I hereunto set my hand.

C. H. THOMAS.

Attest:

GEO. H. KNIGHT.  
JAMES H. LAYMAN.