(No Model.) 2 Sheets—Sheet 1.

M. HAYMAN.

BAG HOLDER.

No. 292,648. Patented Jan. 29, 1884.

Fig. 1.

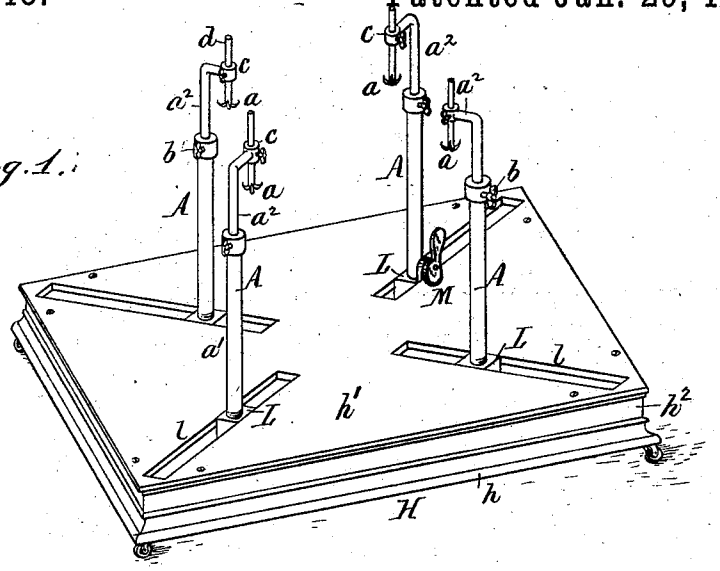
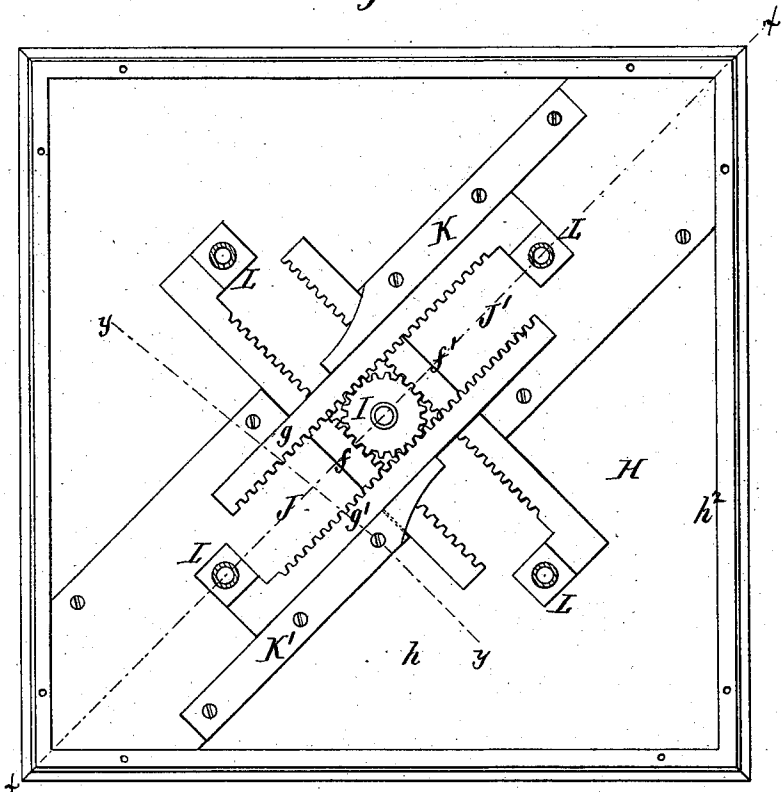


Fig. 2.



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(No Model.) 2 Sheets—Sheet 2.

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Fig. 3.

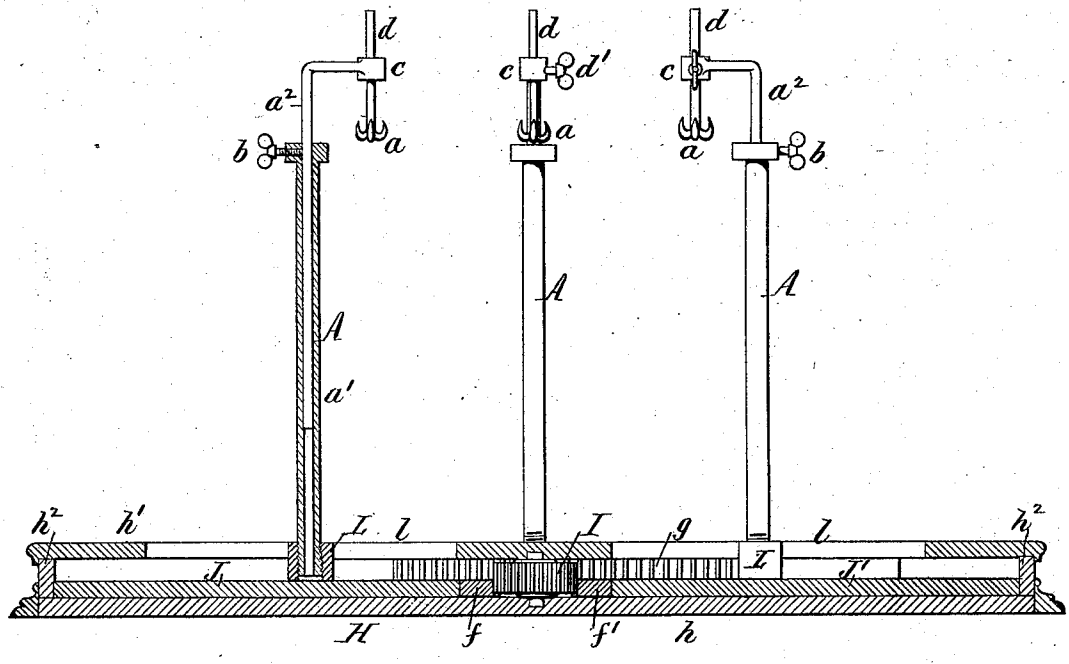
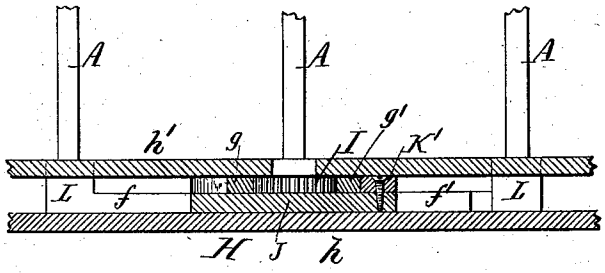


Fig. 4.



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UNITED STATES PATENT OFFICE.

MICHAEL HAYMAN, OF BUFFALO, NEW YORK.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 292,648, dated January 29, 1884.

Application filed September 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL HAYMAN, of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Bag-Holders, of which the following is a specification.

This invention has for its object to produce a bag-holder which is readily adjusted to receive and hold bags of various sizes, and which is simple in construction and easily operated.

My invention consists of the novel construction of the bag-holder which will be hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, consisting of two sheets, Figure 1 represents a perspective view of my improved bag-holder. Fig. 2 is a horizontal section through the base of the bag-holder. Fig. 3 is a sectional elevation in line *x x*, Fig. 2. Fig. 4 is a vertical section in line *y y*, Fig. 2.

Like letters of reference refer to like parts in the several figures.

A represents the vertical movable standards of the bag-holder, provided at their upper ends with hooks *a*, to which the open end of the bag is attached. Each standard is preferably composed of a tubular lower portion, *a'*, and a rod, a^2, which is inserted in the bore of the lower portion, and adjustably secured therein by a set-screw, *b*. The rod a^2 projects upwardly beyond the tubular portion *a'*, and is bent over horizontally, and provided at its end with a socket, *c*, in which the shank *d* of the hook *a* is adjustably secured by a set-screw, *d'*. By raising and lowering the rod a^2 in the tubular portion *a'* of the standard, and by raising and lowering the shank *d* of the hook *a* in the socket *c*, the position of the hook *a* can be readily adjusted as may be required.

f f' and *g g'* are horizontal rack-bars, to which the lower ends of the standards A are secured.

H represents the base of the apparatus, composed of a bottom plate, *h*, a top plate, *h'*, and side walls, h^2, forming together a case in which the parts are arranged, whereby the lower ends of the standards A are connected. The rack-bars *f f'* are arranged parallel with each other on the bottom plate, *h*, on opposite sides of a horizontal pinion, I, with which both rack-bars *f f'* mesh, the teeth being formed on the inner sides of the rack-bars. The pinion I is arranged centrally in the base H, and journaled in the bottom and top plates, *h h'*, as represented in Fig. 3. The rack-bars *f f'* are guided by blocks J J', secured to the bottom plate, *h*, and bearing against the outer straight sides or backs of the rack-bars *f f'*, as clearly represented in Fig. 2. The rack-bars *g g'* are arranged parallel with each other, at right angles to the rack-bars *f f'*, and above the latter and the blocks J J', as shown in Fig. 2. The rack-bars *g g'* are arranged on opposite sides of the central pinion, I, and mesh with the latter. They rest upon the blocks J J', and are guided by bars K K', which are secured to the blocks J J', and bear against the straight outer sides or backs of the rack-bars *g g'*. The standards A are removably secured by screw-threads or otherwise to blocks L, which are formed on the outer ends of the rack-bars *f f' g g'*, and guided in slots *l*, formed in the top plate, *h'*, of the base at right angles to each other. The standards A can be detached from the blocks L for packing or shipping the machine.

If desired, the slots *l* may be covered by plates or shields, secured to the lower portions of the standards A, for preventing substances from falling through the slots and interfering with the operation of the mechanism contained in the base H. The rack-bars and pinion connect the several standards A in such manner that when one of the standards is moved back or forth in the slot *l* this movement of the standard is transmitted to all the other standards simultaneously, so that all standards are moved inwardly or outwardly at the same time and to the same distance. Upon attaching the open end of the bag to the hooks *a*, when the standards are near the inner ends of the slots *l*, and moving the standards outwardly, the open end of the bag is distended in a very simple and expeditious manner. The bag is held in this position by the hooks and standards while being filled.

In order to prevent the accidental displacement of the standards, one of them may be provided with a locking device, M, whereby it can be secured in any desired position to the base H. As represented in Fig. 1, this locking device may consist of an eccentric pivoted to the side of the standard, near its lower end, above the top plate, *h*, so that by turning the eccentric away from the top plate the stand-

ards can be freely moved, while by turning the eccentric so as to impinge against the top plate the standards are secured in position.

I claim as my invention—

1. In a bag-holder, the combination of uprights and standards adapted to support the bag, sliding supports to which said standards are attached, a base-frame, and mechanism whereby the sliding supports are connected and caused to move simultaneously toward or from each other, substantially as described.

2. The combination, with the standards A, of the rack-bars $f f'$ and $g g'$, and a central pinion, I, meshing with said rack-bars, substantially as set forth.

3. The combination, with the standards A, of the rack-bars $f f'$ and $g g'$, guides J J′ and K K′, and a central pinion, I, meshing with said rack-bars, substantially as set forth.

4. The combination, with the standards A, of the rack-bars $f f'$ and $g g'$, guides J J′ and K K′, base H, provided with slots l, and a central pinion, I, substantially as set forth.

5. The combination, with the base H and standards A, of mechanism whereby the lower ends of the standards are connected to move simultaneously toward or from each other, and a locking device, M, whereby the standards can be secured in position on the base H, substantially as set forth.

Witness my hand this 22d day of August, 1883.

MICHAEL HAYMAN.

Witnesses:
JNO. J. BONNER,
CHAS. F. GEYER.