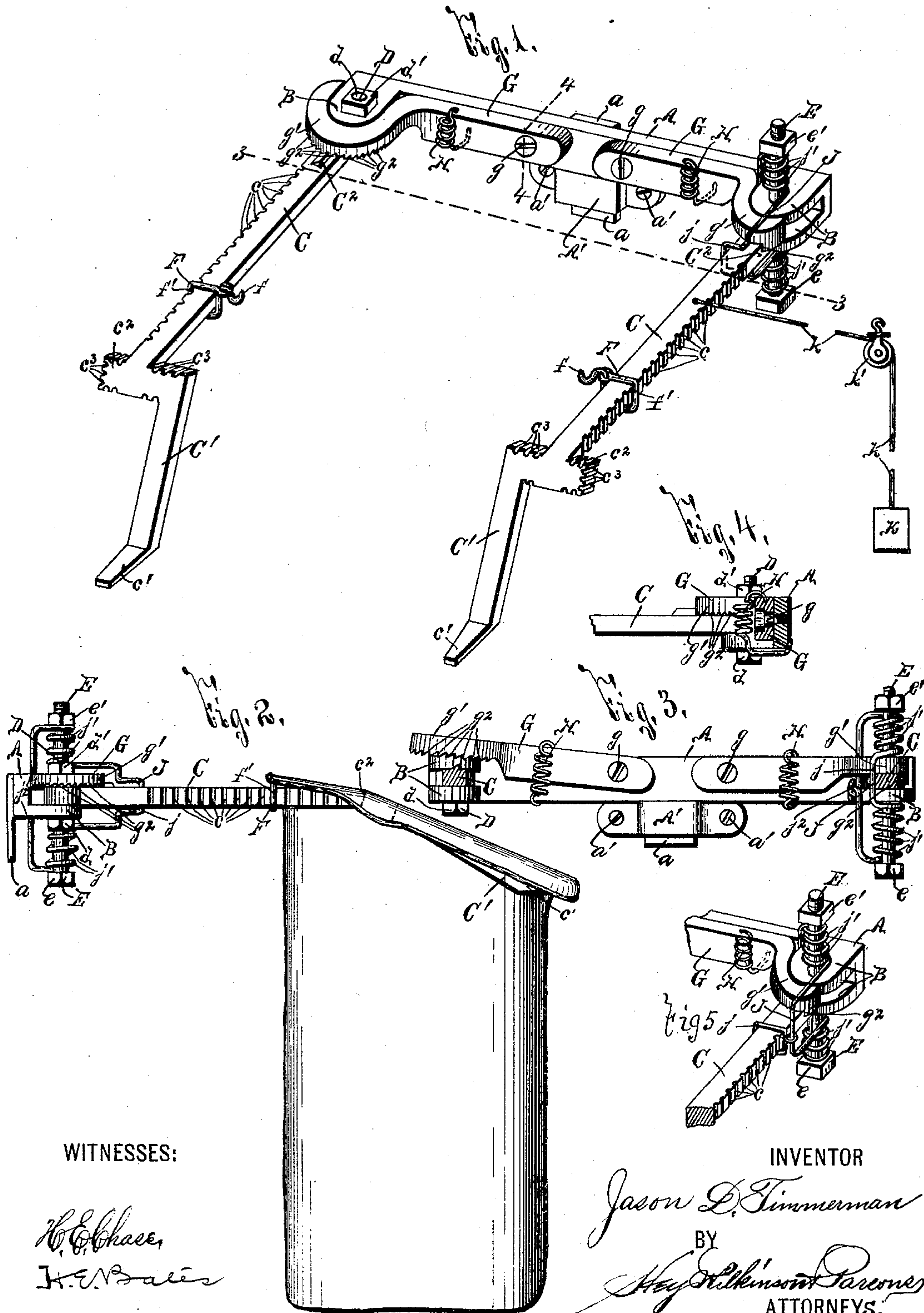


(No Model.)

J. D. TIMMERMAN.
BAG HOLDER.

No. 477,235.

Patented June 21, 1892.



WITNESSES:

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JASON D. TIMMERMAN, OF SPRING LAKE, NEW YORK.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 477,235, dated June 21, 1892.

Application filed December 17, 1891. Serial No. 415,340. (No model.)

To all whom it may concern:

Be it known that I, JASON D. TIMMERMAN, of Spring Lake, in the county of Cayuga, in the State of New York, have invented new and useful Improvements in Bag-Holders, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to improvements in bag-holders of the class shown in my previous patent, No. 461,291, dated October 13, 1891, and has for its object the production of a device which is particularly simple, practical, and effective; and to this end it consists, essentially, in a frame adapted to be suitably secured or mounted, a supporting-arm hinged to the frame and formed with engaging shoulders, a loop movable in the arm and adapted to engage the shoulders thereof and formed with a bag-engaging shoulder, a downwardly-deflected end on the arm, provided with a bag-engaging shoulder in a lower plane than the corresponding shoulder of the loop, and a catch for holding the supporting-arm in its adjusted position.

The invention furthermore consists in the detail construction and arrangement of the parts, all as hereinafter more particularly described, and pointed out in the claims.

In describing this invention reference is had to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in all the views.

Figure 1 is an isometric perspective of my invention, illustrating its general construction and arrangement. Fig. 2 is a side elevation of the parts as shown at Fig. 1, a bag being illustrated as supported thereby. Fig. 3 is a sectional view taken on line 3 3, Fig. 1, one of the catches or pivoted levers being shown as disengaged from the adjacent bag-supporting arm. Fig. 4 is a transverse sectional view taken on line 4 4, Fig. 1; and Fig. 5 is an isometric perspective of a modified form of the spring for rocking the outer supporting-arm.

The bag-holder shown in my aforesaid patent, No. 461,291, although suitable for use, is somewhat complicated in construction and operation, and my present invention is more

simple, practical, efficient, and economical in manufacture.

The frame A of my bag-holder is of suitable form, size, and construction and is attached in any desired manner to a bin, partition-wall, or other convenient support, being provided with a depending arm or lug *a*, adapted to enter a loop A', secured by screws *a'* to the supporting-wall.

At each extremity of the frame A is a pair of ears B, having their adjacent faces sufficiently separated to permit the entrance of the inner end of supporting-arms C C, pivoted thereto by the respective pivotal pins D and E. The pin D consists, preferably, of an ordinary bolt *d*, having thereon an adjusting-nut *d'*, and the pin E of a bolt *e*, considerably longer than the bolt *d*, (its opposite extremities extending beyond the outer faces of its carrying-lugs B B,) and a nut *e'*, of similar construction to the nut *d*.

The inner ends of the supporting-arms C C extend outwardly from the frame A in a plane at substantially right angles thereto, and are provided at their outer edge with engaging shoulders or serrations *c*, and the free ends C' of said arms are deflected downwardly, as best seen at Figs. 1 and 2, and are provided with a lower engaging shoulder *c'*, extending laterally from the extreme lower end of the extremity C', and the upper engaging shoulder *c''*, extending laterally from the outer edge of the upper extremity C'. These downwardly-deflected extremities C' are, as also clearly shown in the drawings, offset from the inner edge of the supporting-arms C, in order that their engaging shoulders *c'* may be within the inner edges of the upper extremity of said arms for permitting easy and practical engagement of the bag therewith. Movable along the inner ends of the arms are loops F, formed of wire or other suitable material and provided with a bag-engaging shoulder *f* and the outer wall *f'*, adapted to engage the serrations *c*. These loops are of sufficient size to slide readily along the supporting-arms, and when the bag is engaged with the hook *f* thereof are slightly inclined and firmly held in position by the serrations or shoulders *c* on the arms C. These shoulders *f* and *c'* are, as will be readily understood from the fore-

going, arranged in planes one above the other, so that when the rear or inner edge of the bag is engaged with the shoulder f and the front or outer edge with the shoulder c' the outer edge of the bag is depressed below the plane of the upper edge, as seen at Fig. 2, and, moreover, said shoulders are so arranged that the bag is entirely within the inner edges of the inner or rear extremity of the arms C.

10 This latter result is effected by offsetting the outer or depressed extremities of the supporting-arms C within the remaining portion of said arms and renders my invention particularly applicable for supporting mail-bags.

15 The shoulders c^2 may be engaged with the sides of a bag having its front and rear sides supported, respectively, by the shoulders c' and f , or may be engaged by the front edge of the bag when the rear edge is engaged by the shoulders f , or by the rear edge of the bag when its front edge is engaged by the shoulders c' , and to enable them to firmly hold the bag these shoulders are formed with serrations c^3 .

25 For the purpose of holding the supporting-arms C in their adjusted position, conforming to the width of the bag, I provide suitable catches, consisting, preferably, of levers G, pivoted at one extremity g to the frame A, and formed at the other extremity with the curved end g' , arranged in front of the edges of the top ears B and provided with serrations or engaging shoulders g^2 , adapted to engage a shoulder C^2 upon the arms C. These

30 shoulders g^2 preferably consist of ratchet-teeth on the left-hand lever and a depending lug on the right-hand lever, the ratchet-teeth being so arranged as to permit outward movement and prevent inward movement of the left-hand supporting-arm C, and the depending lug being adapted to engage the outer face of the right-hand arm C and to permit inward and prevent outward movement of said arm C. Springs H, connected to the levers G and the frame A, are used to draw said catches or levers into positive engagement with the arms C C, and when desired to disengage the levers therefrom the outer curved ends g' are forced upwardly against the action of the springs H, and the arms are then

45 free to move.

J represents a spring for forcibly throwing the right-hand arm outward when the right-hand catch G is raised therefrom. This spring, although it may be of desirable form, size, and construction, is preferably formed, as seen in the drawings, with a loop j at its central portion engaged with the inner edge of the inner or rear extremity of the right-hand arm C, the coils j' at its opposite extremities encircling the opposite extremities of the pivotal pin E of said arm C and the interlocked ends j^2 bearing against the ears E.

It will be particularly noted that the movable nut e' on the bolt E, upon which the opposite extremities of the spring J are carried, serves as a means of adjustment for said

spring, as by screwing the nut downwardly the tension of the spring is increased and lessened when the nut is forced in an opposite direction.

Instead of engaging the loop j directly with the inner edge of the arm C, said arm may be provided with an eye on its front edge, formed of wire or other suitable material, which may be engaged with the loop j , as shown at Fig. 5.

In some instances I prefer to use a weight K, connected with the right-hand arm C by a suitable cord k , passing over pulleys k' , for aiding the spring J in throwing said arm outwardly; but it will be evident that this weight may be used or dispensed with, as desired.

The operation of my invention will be readily perceived from the foregoing description, and upon reference to the drawings, and it will be particularly noted that the same is simple in construction, economical in manufacture, practical in use, and strong and durable in wear.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a bag-holder, the combination of a frame, a supporting-arm having its inner extremity hinged to the frame, and a catch-lever G, having one extremity movably mounted on the frame and the other provided with an engaging face adapted to removably engage the inner extremity of the supporting-arm, substantially as and for the purpose set forth.

2. In a bag-holder, the combination of a frame, a supporting-arm C, having its inner extremity hinged to the frame and its outer extremity formed with a downwardly-projecting end C' , having a laterally-extending shoulder for engaging the front of the bag-top, and a shoulder provided on the inner end of said arm above the downwardly-projecting end for engaging the rear portion of the bag-top, substantially as and for the purpose specified.

3. In a bag-holder, the combination of a frame having an upright bearing, a pivot journaled in said bearing, a supporting-arm C, having its inner extremity mounted on said pivot, whereby the supporting-arm is hinged to the frame and is held from vertical movement, and having its outer extremity formed with a downwardly-deflected end C' , provided with a laterally-extending shoulder for engaging the front of the bag-top, a shoulder provided on the inner end of said arm for engaging the rear portion of the bag-top above the downwardly-projecting end, and a catch-lever G, having one extremity pivoted to said frame and the other provided with an engaging face adapted to removably engage the inner extremity of the supporting-arm, substantially as and for the purpose set forth.

4. In a bag-holder, the combination of a frame, a supporting-arm hinged to the frame and formed with engaging shoulders along its edge, a catch-lever G, having one extremity movably mounted on the frame and the other

provided with an engaging face for removably engaging the supporting-arm and holding said arm in its adjusted position, and a loop movable on the arm and adapted to engage the shoulders thereon and formed with a projecting engaging shoulder adapted to engage the bag, substantially as specified.

5. In a bag-holder, the combination of a frame, a supporting-arm having its inner extremity hinged to the frame and its outer extremity provided with a downwardly-deflected end C', offset inwardly from the remainder of said arm and adapted to engage the bag, and a shoulder on said arm above the deflected end, adapted, also, to engage the bag, substantially as and for the purpose set forth.

6. In a bag-holder, the combination of a frame, a supporting-arm hinged to the frame, a pivotal pin for the frame, having projecting extremities, and a spring having its opposite extremities coiled around the projecting ends of the pivotal pin and its central portion connected to said arm, substantially as and for the purpose specified.

7. In a bag-holder, the combination of a frame, a supporting-arm hinged to the frame, a pivotal pin for the arm, having projecting extremities, a spring having its opposite extremities coiled around the projecting ends of the pivotal pin and its central portion connected to said arm, and a movable shoulder for adjusting the tension of said spring, substantially as and for the purpose set forth.

8. In a bag-holder, the combination of a

frame, a supporting-arm hinged to the frame, a pivotal pin for the arm, having projecting extremities, a spring having a loop j , engaged with the arm, the coils j' , mounted on the projecting ends of the pivotal pin, and interlocked ends j^2 , substantially as and for the purpose specified.

9. In a bag-holder, the combination of a frame, a supporting-arm hinged to the arm and provided with an engaging shoulder, and a lever pivoted to the frame and formed at one extremity with a curved rack for engaging the shoulder of the supporting-arm, substantially as and for the purpose set forth.

10. In a bag-holder, the combination of a frame, a supporting-arm hinged to the frame and formed with engaging shoulders, a catch for holding said arm in its adjusted position, a loop movable on the arm and adapted to engage the shoulders thereon and formed with an engaging shoulder adapted to engage the bag, and a downwardly-deflected end on the supporting-arm, having a bag-engaging shoulder beneath the plane of the corresponding shoulder on the loop, substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 4th day of December, 1891.

JASON D. TIMMERMAN.

Witnesses:

CLARK H. NORTON,
L. M. BAXTER.