

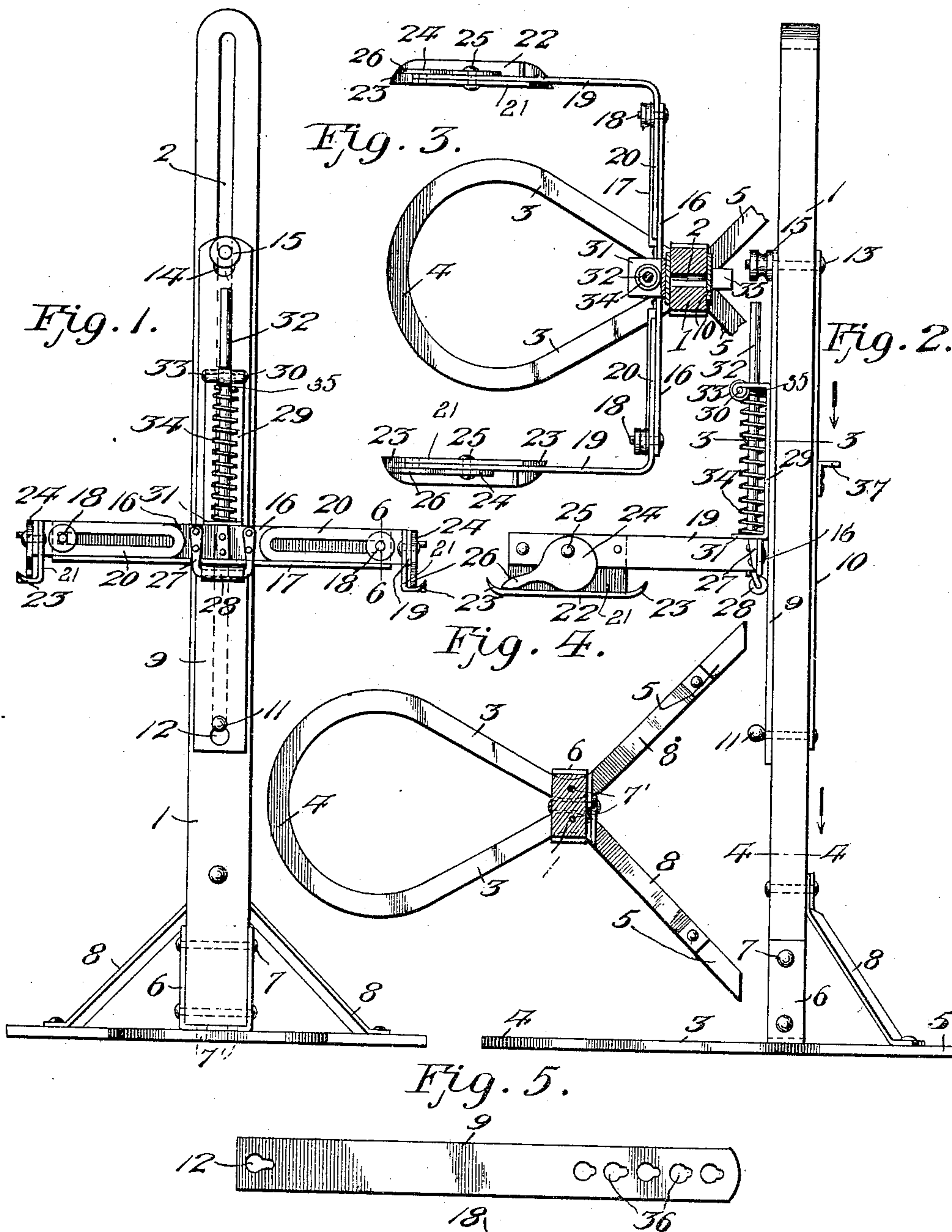
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J. A. CAMPBELL.

BAG HOLDER.

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WITNESSES:
Frank B. Hoffman
A. A. Ege

Fig. 6.

INVENTOR
John A. Campbell

BY Victor J. Evans.

Attorney

UNITED STATES PATENT OFFICE.

JOHN A. CAMPBELL, OF BOWER MILLS, MISSOURI.

BAG-HOLDER.

No. 841,621.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN A. CAMPBELL, a citizen of the United States, residing at Bower Mills, in the county of Lawrence and State of Missouri, have invented new and useful Improvements in Bag-Holders, of which the following is a specification.

This invention relates to bag-holders, the object of the invention being to provide a device of the character referred to which will effectively support a bag in an open stretched condition, the said device having means adapting it to bags of various sizes, whereby it will hold the sides of a bag of any size stretched taut without liability of tearing or mutilating the edges or any portion of the bag during the filling operation.

A further object of the invention is to provide a holder for bags by means of which the bag may be quickly and easily attached to the holder and removed therefrom.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination, and arrangement of parts, hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a bag-holder constructed in accordance with the present invention. Fig. 2 is a side elevation of the same. Fig. 3 is a horizontal section on the line 3 3 of Fig. 2. Fig. 4 is a horizontal section on the line 4 4 of Fig. 2. Fig. 5 is a plan view of the back plate. Fig. 6 is a cross-section through the cross-bar and one of the supporting-arms, taken on the line 6 6 of Fig. 1.

Referring to the drawings, 1 designates a standard provided, in the upper portion thereof, with a longitudinal slot 2, providing for the up-and-down adjustment of the bag-supporting arms. The standard 1 is mounted upon and extends upward from a base 3, consisting of a bar of metal bent substantially in the form of the small script letter "e," or, in other words, embodying the main body or loop portion 4 and the rearwardly-diverging arms or branches 5. At the point of intersection of the branches 5 to form the loop 4 a metal stirrup 6, consisting of a three-sided frame, is firmly secured to and upon the base by rivets 7' or their equivalent, said stirrup extending upward, as shown at 7. Braces 8 extend from the base upward to the standard, as shown in Figs. 1 and 2.

Extending upward along the front side of

the standard 1 is a plate 9, which is adapted to slide up and down upon the front face of the standard 1. At the back of the standard is arranged a friction-plate 10, which slides up and down in contact with the back of the standard, as shown in Fig. 2. This friction-plate 10 is provided at its lower end with a forwardly-projecting headed stud 11, which passes through the standard and is adapted to move up and down in the slot 2 thereof, the plate 9 being provided with a keyhole-slot 12 to receive said stud 11. The friction-plate 10 is provided at its upper end with a forwardly-projecting stem 13, which passes through the slot 2 and also through a keyhole-slot 14 in the plate 9 and receives a clamping-nut 15. In this way provision is made for adjusting the plates 9 and 10 up and down on the standard and clamping the same at any desired elevation, thus adapting the bag-holding arms hereinafter described to a bag of any length, the bottom of the bag being adapted to rest upon the loop portion of the base 3.

Connected to the plate 9 is a spring-supported cross-bar 16 of angle-iron or provided along its lower edge with a forwardly-extending flange 17. This cross-bar may be of any desired length and carries at its opposite ends clamping screws or bolts 18 for adjusting the bag-supporting arms, each of which comprises a forwardly-extending portion 19 and a longitudinally-slotted shank portion 20. The forwardly-extending portions 19 of the bag-supporting arms are substantially parallel to each other and are provided at their projecting ends with bag-holders 21, having horizontally-disposed bag-supporting flanges 22, the opposite ends of which are slightly upturned and pointed to form prongs or spurs 23. Immediately over the flange 22 and between the prongs 23 is a cam-shaped bag-clamp 24, pivotally mounted on the adjacent bag-supporting arm at the point 25 and provided with a finger-piece or hand-lever 26, by means of which the clamp may be moved into and out of engagement with the bag, while the edge of the latter is supported on the supporting-flange 22.

The shank portion 20 of each arm is slotted longitudinally, as shown, and bears flatwise against the vertical portion of the cross-bar 16 and is adapted to be adjusted lengthwise of said cross-bar by means of the clamping device 18, so that the prongs 19 of the bag-supporting arms may be adjusted toward

and away from each other to accommodate bags of different widths and enable the mouths of the bags to be held stretched open in readiness to be filled. The flange 17 serves as a brace for the shank portions of the bag-supporting arms and serves to preserve the horizontality of said arms.

Connected to the center of the cross-bar 16 is a U-shaped bracket 27, upon which is journaled an antifriction-roller 28, that rides up and down on the plate 9. A guide-bracket 29 is also secured to the front face of the plate 9 and is provided at the top and bottom with forwardly-extending lugs 30 and 31, having openings for the reception of a vertically-movable supporting rod or stem 32, secured at its lower end to the cross-bar 16, and the upper lug 30 is slotted and provided with an antifriction-roller 33, in contact with which the stem 32 rides, so as to relieve friction in the up-and-down movements of the stem 32. Encircling the stem 32 is a spiral spring 34, which is interposed between the lower lug 31 of the bracket 29 and a shoulder 35 on the stem 32, said spring serving to hold the cross-bar 16 elevated, while allowing the same to be depressed so as to permit the upper edge of the bag to be hooked over the bag-supporting flanges 22 and engaged with the prongs 23 and by the clamp 24. The spring 34 pulls the cross-bar 16 and the bag-supporting arms 19 upward, and thus maintains the bag in a stretched condition, which greatly facilitates the filling of the same.

The friction-plate 10 is provided with a lifting-handle 37 to assist in adjusting the cross-bar 16 and the bag-supporting arms 19 up and down preparatory to clamping the same by means of the nut 15. The plate 9 is provided at its upper end with a longitudinal series of holes 36, so that said plate, together with the cross-bar and bag-supporting arms carried thereby, may be removed from the standard and hung at the desired elevation upon a nail, hook, or like device projecting from any suitable or convenient vertical support, such as a wall, partition, or post. The antifriction-rollers 28 and 33 permit the spring 34 to act easily in drawing the cross-bar and bag-supporting arms upward and preserving the tension on the sides of the bag.

I claim—

1. A bag-holder comprising a standard, a cross-bar adjustable up and down thereon and provided with a bottom flange, and L-shaped bag-supporting arms having straight slotted portions supported upon said flange and adjustably connected with said cross-bar and forwardly-extending portions provided with bag-holding devices.

2. A bag-holder comprising a standard, a

cross-bar adjustable up and down on said standard and provided with a bottom flange, bag-holding arms having straight portions which overlap said cross-bar and are adjustable thereon, said bag-holding arms being supported upon said flange, substantially as described.

3. A bag-holder comprising a standard, a bracket adjustable up and down on the standard, a cross-bar having a stem slidable vertically in said bracket, a spring for permitting the cross-bar and stem to yield downwardly, and bag-supporting arms having straight portions which overlap said cross-bar and are adjustable thereon.

4. A bag-holder comprising a slotted standard, a plate and a friction-plate arranged on opposite sides of said standard and connected together, means for holding said plates at any desired elevation of the standard, a bracket carried by one of said plates, a cross-bar having a vertically-movable stem slidably mounted in said bracket, an antifriction-roller journaled on the bracket against which the stem moves, and bag-holding arms carried by said cross-bar.

5. A bag-holder comprising a standard, a spring-supported cross-bar mounted thereon and adapted to yield downwardly, bag-supporting arms connected with said cross-bar, and bag-holders embodying horizontally-disposed flanges upon which the edge portion of the bag is adapted to rest, and clamping devices for holding the edge portion of the bag against said flanges.

6. A bag-holder comprising a standard, spring-supported bag-holding arms mounted thereon and adapted to yield downwardly, and bag-holders having horizontally-disposed flanges with upturned and pointed end portions, and bag-clamps carried by said holders and adapted to clamp the edges of the bag against the flanges between the upturned pointed portions thereof.

7. A bag-holder comprising a standard, bag-supporting arms movable up and down thereon, and a supporting-base for said standard consisting of a metal bar bent to form a forwardly-extending loop upon which the bottom of the bag is adapted to rest, rearwardly-diverging terminal portions, and a stirrup firmly connected to the base and having the lower end of the standard secured thereto.

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

JOHN A. CAMPBELL.

Witnesses:

C. L. ADAMS,
S. J. KNOX.