G. B. HAYGOOD.

BAG HOLDER.

APPLICATION FILED JULY 9, 1912.

1,043,592.

Patented Nov. 5, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

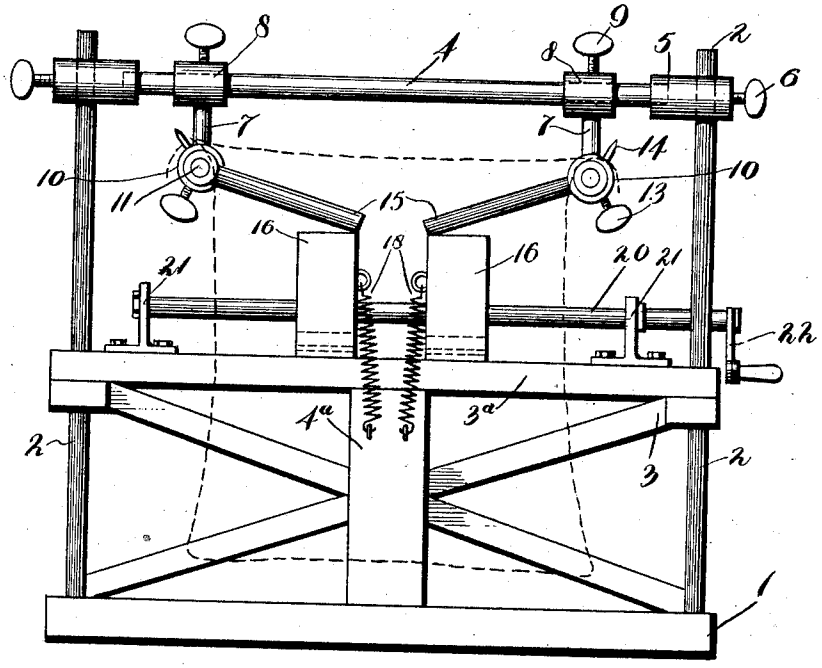
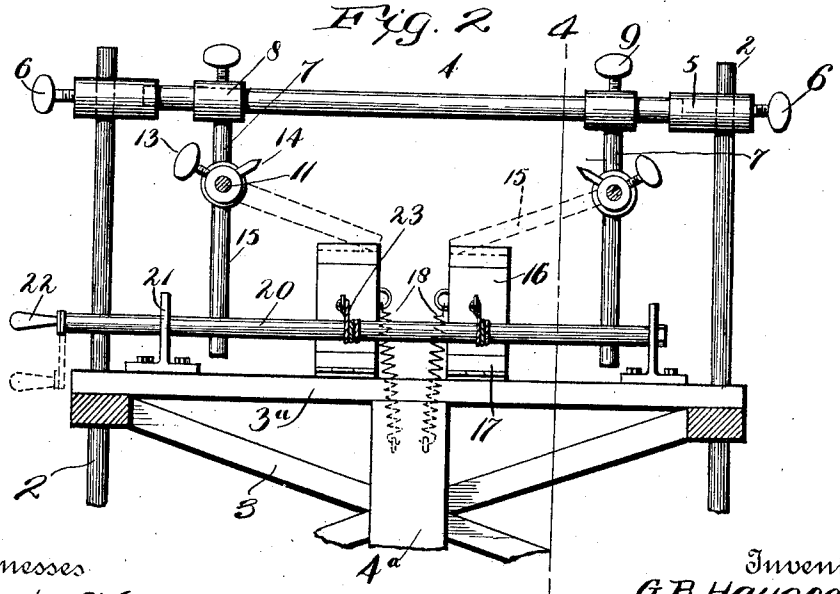


Fig. 2.



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2 SHEETS—SHEET 2.

FIG. 3.

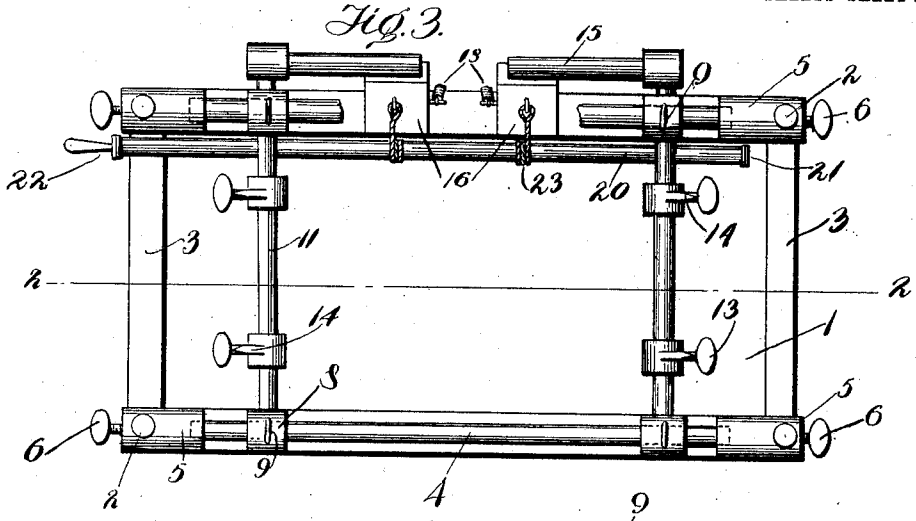


FIG. 4.

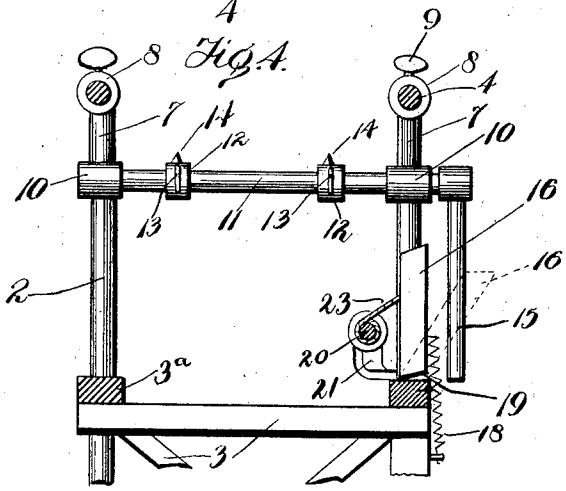
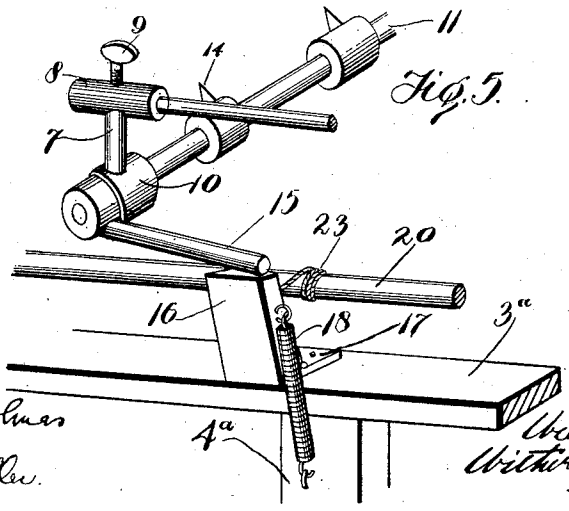


FIG. 5.



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UNITED STATES PATENT OFFICE.

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BAG-HOLDER.

1,043,592. Specification of Letters Patent. Patented Nov. 5, 1912.

Application filed July 9, 1912. Serial No. 708,523.

To all whom it may concern:

Be it known that I, GEORGE B. HAYGOOD, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Bag-Holders; and I do hereby 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.

The present invention relates to bag holders, and has for its purpose to provide a device of that character which will be readily capable of adjustment for holding bags of different sizes; and wherein the bag engaging means is caused to be released through the weight of the material in the bag by a simple manual operation.

The invention has for its further purpose to provide a construction which shall have few parts; one wherein the parts may be readily assembled and dis-assembled; and wherein the cost of manufacture will be comparatively small.

With these and other objects in view the invention consists in the novel details of construction and combinations of parts more fully hereinafter disclosed and particularly pointed out in the claims.

Referring to the accompanying drawings forming a part of this specification in which like numerals designate like parts in all the views:—Figure 1 is a side elevational view of the bag holder showing the parts in position for holding the bag; Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 3, and showing the bag holding means released; Fig. 3 is a top plan view of the bag holder complete; Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 2; and Fig. 5 is a perspective view of one of the bag holding and releasing means.

Referring to the construction in detail, the same consists of a suitable support or platform 1 having uprights or posts 2 at the four corners thereof, and on which is adjustably mounted the bag holding means. On three sides, the platform 1 is provided with a fencing or framework 3, as shown in Figs. 3 and 4, and the fourth side is left open or clear for the purpose of inserting the bags and removing the same after they have been filled, as will be understood.

Each pair of the posts 2 has adjustably mounted thereon a longitudinally disposed bar 4, whose respective ends are fitted with apertured heads or blocks 5, through which the corner posts 2 pass, and each of said members 5 is provided with a thumb screw 6, through the medium of which said bars 4 are secured in their different adjusted positions, as will be understood.

The bars 4 have each adjustably mounted thereon two hangers 7, having apertured heads 8 through which said bars 4 pass, and are provided with thumb screws 9 for fixing the hangers in adjusted position. On its lower end each of the hangers is constructed with a bearing 10, and transversely disposed shafts 11 are journaled in said bearings, as shown in Figs. 3 and 4. Each of the shafts 11 is provided with a pair of collars 12 having thumb screws 13 for securing the same in different positions on said shaft according to the dimensions of the bag. A spur 14 is formed integral with each of the collars 12, and has for its purpose to engage with the fabric of the bag and hold the same while the bag is being filled, it being understood, of course, that there are four of such spurs engaging respectively with the four corners of the open end of the bag. When engaged in holding the bag, said spurs have substantially that position indicated in Fig. 1, and after the release of the bag they have substantially that position shown in Fig. 2.

It is proposed in the present invention that the bag holding means, *i. e.*, the spurs on the shafts 11 be simultaneously released from engagement with the bag, and to that end each of said shafts 11 has fixed on one end thereof an arm 15, and both of said arms are provided with means for holding the same in raised position, and which are adapted to be released for permitting the arms to fall and allow the shafts 11 to turn and release the spurs 14 from engaging position. Said means consists of a pair of blocks 16 hereinafter termed latches, which are swingingly mounted on the cross piece 3^a of the frame 3 by hinges 17. Each of said latches 16 has secured thereto one end of a spring 18, whose other end is anchored to the cross piece 4^a of the frame 3, and through the tension of said spring the latch is held in that position (see Fig. 5) which obstructs the arm 15 and thereby prevents the shaft 11 from turning. The lower edge of each latch is beveled as at 19 to the end

that the same may be held in the inclined position shown in Fig. 5. The means for moving the two latches 16 simultaneously to release the arms 15 consists of a shaft 20, journaled in brackets 21 that are mounted on the frame piece 3^a, and said shaft is provided with a crank 22 for rotating the same. Flexible connections in the nature of cords or chains 23 have their respective ends attached to said shaft 20 and the latches 16, and through the turning of said shaft 20 these cords 23 are wound thereon and consequently pull the latches from that position shown in Fig. 5 to that position shown in Fig. 4, when the arms 15 are free to fall and the shafts 11 permitted to turn under the influence of the weighted bag pulling on the spurs 14. To re-set the bag holding means in position for holding open the next empty bag, it is necessary only that the arms 15 be swung to engage the inclined sides of their respective latches when the same are forced inwardly against the influence of the springs 18, and after said arms have passed the latches, the same are returned to operative position through the medium of said springs and in that position are engaged by said arms and prevent their swinging and consequent turning of the shafts 11.

From the foregoing, it will be readily seen that the bars 4 may be vertically adjusted for holding bags of different lengths, and that the shafts 11, adjustable laterally on said bars 4, and the adjustable collars 12 on said shafts, will permit of bags being held having different sized openings. In this connection, it may be stated that the invention is particularly applicable for holding jute bags wherein variations in dimensions often occur.

It is obvious that those skilled in the art may vary the details of construction and arrangement of parts without departing from the spirit of my invention, and therefore I do not wish to be limited to such features except as may be required by the claims.

What I claim is:—

1. In a bag holder, the combination of a suitable support; a frame mounted on said support; shafts having bag engaging devices journaled on said frame; latches hingedly mounted on said frame and adapted to engage with said arms and hold said shafts against rotation; springs secured to and normally holding said latches in an inclined position whereby said arms may engage with said latches and be automatically set in position; a crank shaft mounted on said frame; and flexible connections between said latches and said crank shaft for actuating said latches to release said shafts, substantially as described.

2. In a bag holder, the combination of a suitable support; uprights mounted on said support; bars vertically adjustable on said uprights; hangers laterally adjustable on said bars; shafts journaled on said hangers; collars having bag engaging spurs adjustably mounted on said shafts; arms secured to said shafts; brackets mounted on said frame; a crank shaft journaled in said brackets; and flexible connections between said crank shaft and said latches for actuating said latches to release said shafts, substantially as described.

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

GEORGE B. HAYGOOD.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."