

989,642.

C. RAW.  
BAG HOLDER.  
APPLICATION FILED JULY 18, 1910.

Patented Apr. 18, 1911.

Fig. 1.

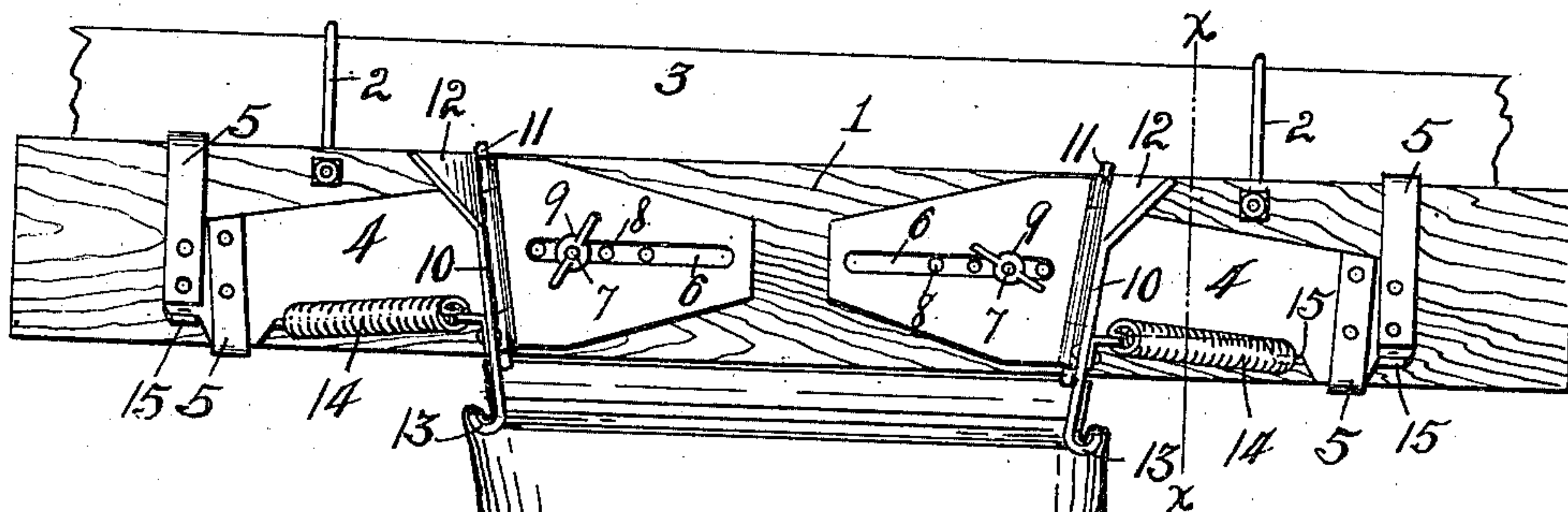


Fig. 2.

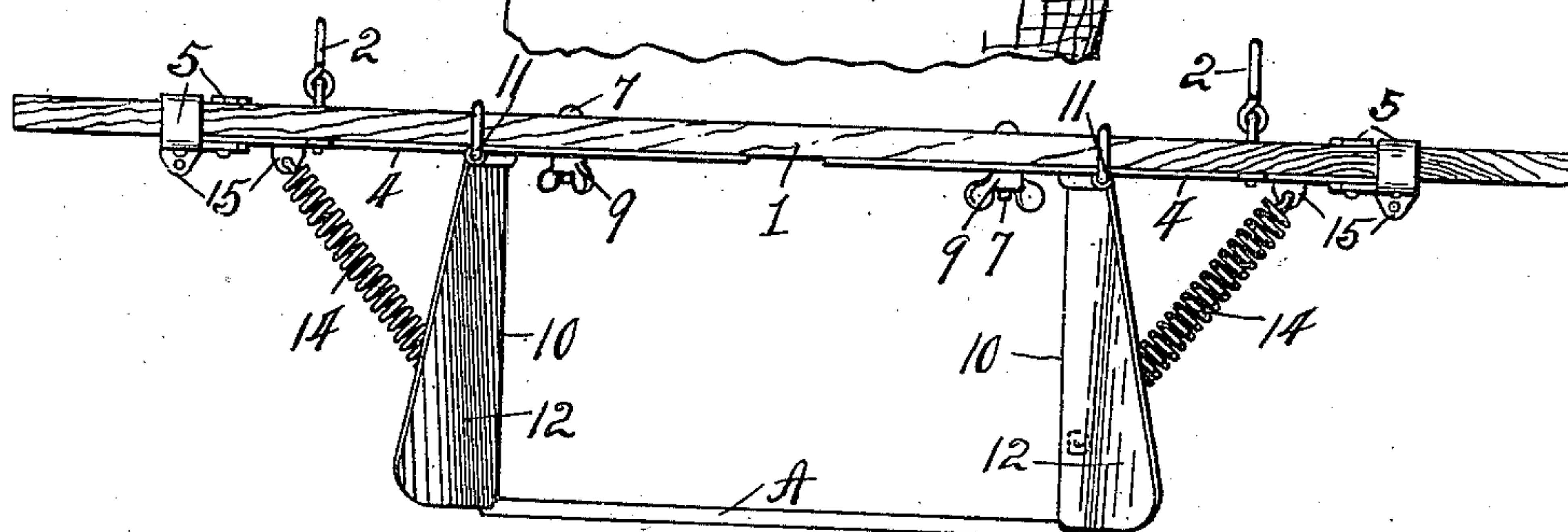
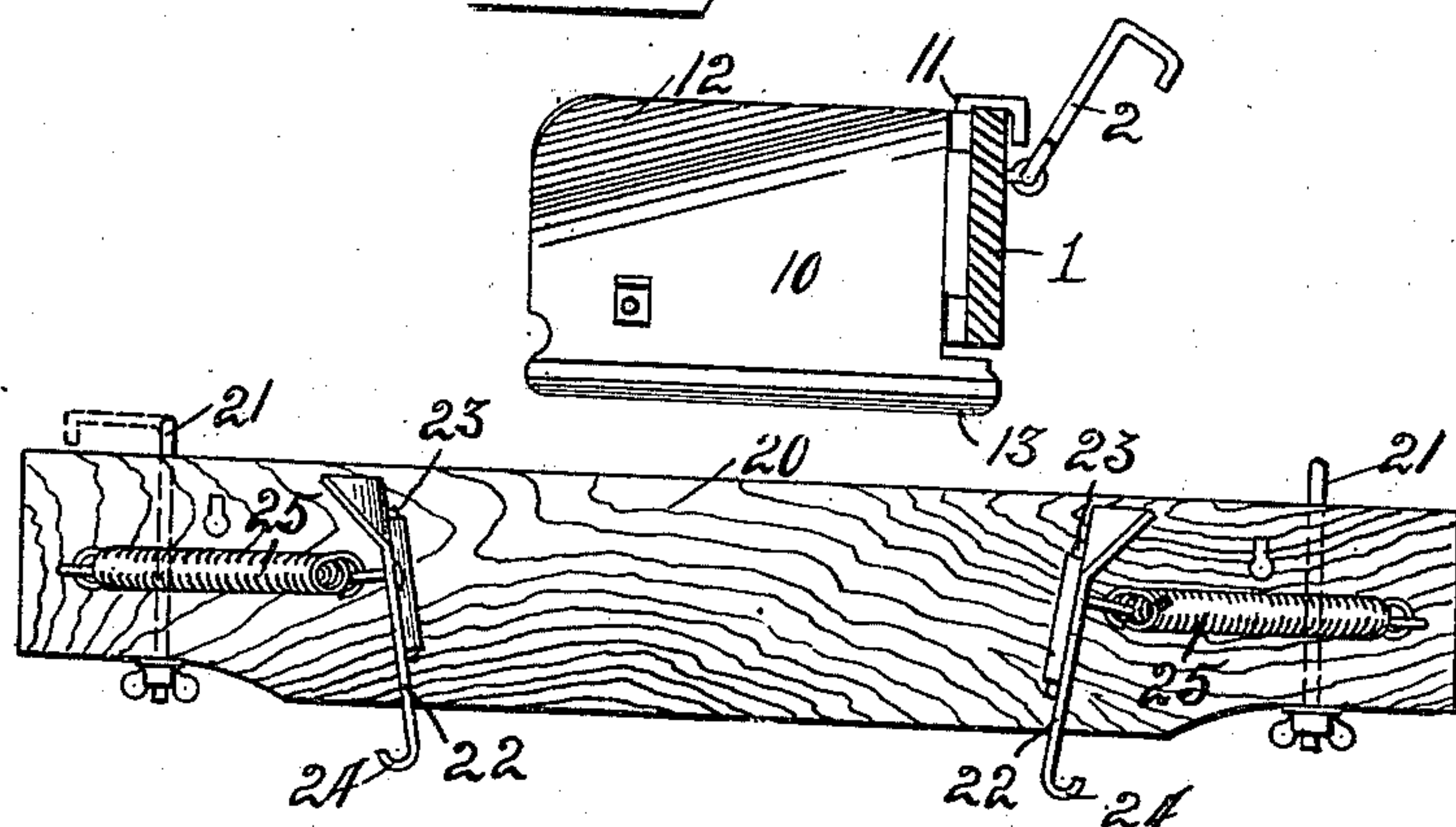


Fig. 3.



WITNESSES:

C. H. Bills.  
M. G. Gaskill.

Fig. 4.

4.

INVENTOR.  
Charles Raw,  
By Owen & Owen,  
His attys.



# UNITED STATES PATENT OFFICE.

CHARLES RAW, OF TOLEDO, OHIO.

## BAG-HOLDER.

989,642.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed July 18, 1910. Serial No. 572,464.

*To all whom it may concern:*

Be it known that I, CHARLES RAW, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Bag-Holder; 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to bag-holders, and has for its object the provision of an improved and highly efficient device of this class which is inexpensive of manufacture, strong and durable in its construction, and adapted to serve both to securely hold a bag in open mouthed position and as a hopper to facilitate the pouring of matter therein.

A further object of my invention is the provision of a bag-holder which is capable of easy and quick adjustment to adapt it for holding bags of different sizes.

The invention is fully described in the following specification, and while, in its broader aspect, it is capable of embodiment in other forms, a preferred and one modified form thereof are illustrated in the accompanying drawings, in which,—

Figure 1 is a front elevation of an adjustable form of bag-holder comprising my invention with a bag held thereby in open position and partly broken away. Fig. 2 is a top plan view of the same. Fig. 3 is a transverse section on the line  $x, x$  in Fig. 1, and Fig. 4 is a front elevation of my invention with the adjustable feature eliminated.

Referring to the drawings, 1 designates a board or bar to which the bag-holding parts are secured and which has hook members 2 attached thereto for engaging over a part 3, which may be the wall of a grain bin or any other suitable support for the bag-holder. Secured to the front side of the bar 1 for relative sliding movements longitudinally thereof are the two plates or members 4, 4, which are provided at their outer ends with the straps or hooked members 5 adapted to engage over and under the upper and lower edges respectively of the bar to retain the plates 4 in sliding engagement therewith. The inner end portions of the plates 4 are each longitudinally slotted, as at 6, to

receive a securing bolt 7, which is adapted to project through any one of a plurality of apertures 8 in the bar and preferably carries a winged nut 9 at its outer ends to facilitate a tightening or loosening of the bolt.

Hinged to each plate 4 intermediate its ends is a bag-holding wing 10 which has its pivot 11 vertically disposed and the ends thereof preferably extended and bent over the associated edges of the bar 1 to cooperate with the straps 5 to retain the plates 4 in sliding engagement with such bar. The axes of the wings 10 are preferably inclined slightly from a vertical plane and in opposite directions, as shown, to cause the space between the wings to gradually broaden from the lower to the upper edges thereof, and the upper edges of the wings are preferably flared outwardly, as at 12, to provide a broadened hopper-like opening between the upper portions of the wings to facilitate a pouring or shoveling of grain or other matter between the wings and into the open mouth of the bag held thereby. The lower edges of the wings 10 are preferably projected below the bar 1 and rolled outwardly and upwardly, as at 13, to present an outwardly hooked edge for the hanging of the mouth of a bag A thereon. The wings are shown in the present instance as having their outer sides attached by coiled contraction springs 14 to the outer end portions of the respective plates 4 by means of perforated ears 15 thereon, which springs resist the closing or relative contracting movements of the wings and normally hold such wings adjacent the bar 1 at the outer sides of their pivots.

To hang a bag in open position from the wings 10, the operator draws the mouth of the bag up around the lower edge of one wing and engages the mouth of the bag over the hooked portion 13 of such wing. He then draws the two wings together sufficiently against the tension of the springs 14 to permit the opposite side of the bag mouth to be drawn up around the hooked lower edge of the other wing to engage such edge. The tendency of the wings to move away from each other under the influence of the springs 14 causes the lower hooked edges of the wings to cooperate to hold the mouth of the bag open with considerable force and to firmly hold the upper end of such bag. It is found by the provision of this means of holding a bag that the same is so firmly



held that a very considerable pull can be exerted on the bag without releasing it from engagement with the wings, thus adapting this holder not only for use in holding grain bags but also for holding bags in which bulky and heavy objects are to be deposited. To adjust the wings 10 to adapt them to hold bags of different sizes, it is only necessary to loosen the wing nuts 9 on the bolts 7 and then shift the plates 4 to the desired position after which they are securely bound to the bar 1 by a tightening of the nuts 9 on their respective bolts.

The form of holder shown in Fig. 4 is substantially the same as that above described, except that the bag-holding wings are not mounted for relative adjustment longitudinally of the holding bar, thus adapting the device for the holding of only one size of bags. In this form of the invention, 20 designates the carrying bar to which the supporting hooks or member 21 are attached; 22 the bag-holding wings which have their inner ends pivoted to the bar 20, as at 23, and have their lower edges projecting below the bar 20 and turned outwardly and upwardly as at 24 to engage the mouth of the bag, and 25, 25 designate the coiled contraction springs which connect the outer sides of the wings to the bar 20 adjacent its ends.

It is apparent that I have provided a bag-holder which is not only of simple and economical construction, but is exceedingly strong and durable to adapt it for the securely holding of bags into which heavy as well as light articles may be deposited; and also that the wings 10 in addition to serving to securely hold the mouth of the bag open, serve to direct articles into the mouth of the bag.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

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

1. A bag-holder comprising a bar, members carried by such bar for longitudinal sliding movements thereon, means associated with each member for securing it in adjusted position to the bar, a wing hinged to each of said members for substantially horizontal swinging movements, said wings flaring outwardly from their lower to their upper edges and having their lower edges turned outwardly and upwardly to provide bag gripping ledges, and means attaching the outer

side of each wing to the outer end portion of its member to yieldingly resist relative inward swinging movements of the wings.

2. A bag-holder comprising a bar, plates carried by said bar for relative longitudinal adjustment thereon, means for securing the plates in adjusted position on the bar, horizontally projecting wings hinged to the plates and having their lower edges turned outwardly to provide bag gripping ledges and their upper edges flared outwardly, said wings having their axes preferably inclined outwardly from a vertical plane relative to each other, and contraction springs connecting the outer sides of the wings to the outer end portions of their respective plates to resist inward swinging movements of the wings.

3. A bag holder comprising a bar, plates carried by said bar for longitudinal adjustment thereon, a pair of bag holding wings, means pivotally securing said wings to the plates and having their ends engaging the edges of the bar to serve to slidably retain the plates thereto, and means acting on the wings to control their movements in one direction.

4. A bag holder comprising a bar, plates mounted on said bar for longitudinal adjustment thereon, said plates having ears coacting with the bar to slidably retain the plates thereon, means for securing the plates in adjusted position to the bar, wings hinged to and projecting horizontally from the plates and being vertically broadened with their lower edges turned outwardly to provide bag engaging ledges and their upper portions flared outwardly, said wings having their axes inclined outwardly from each other relative to the vertical plane, and means for resisting contracting inward swinging movements of the wings.

5. A bag holder comprising a bar, wings hinged to such bar and projecting horizontally therefrom and being vertically broadened to serve as a hopper, said wings having their lower edges fashioned to provide bag holding means and having their axes inclined outwardly relative to the vertical plane, and means acting on the wings to resist inward swinging movements thereof.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

CHARLES RAW.

Witnesses:

C. W. OWEN,  
M. G. GASKELL.