

No. 865,760.

PATENTED SEPT. 10, 1907.

C. G. CARLSON.
BAG HOLDER.

APPLICATION FILED SEPT. 28, 1906.

Fig. 1.

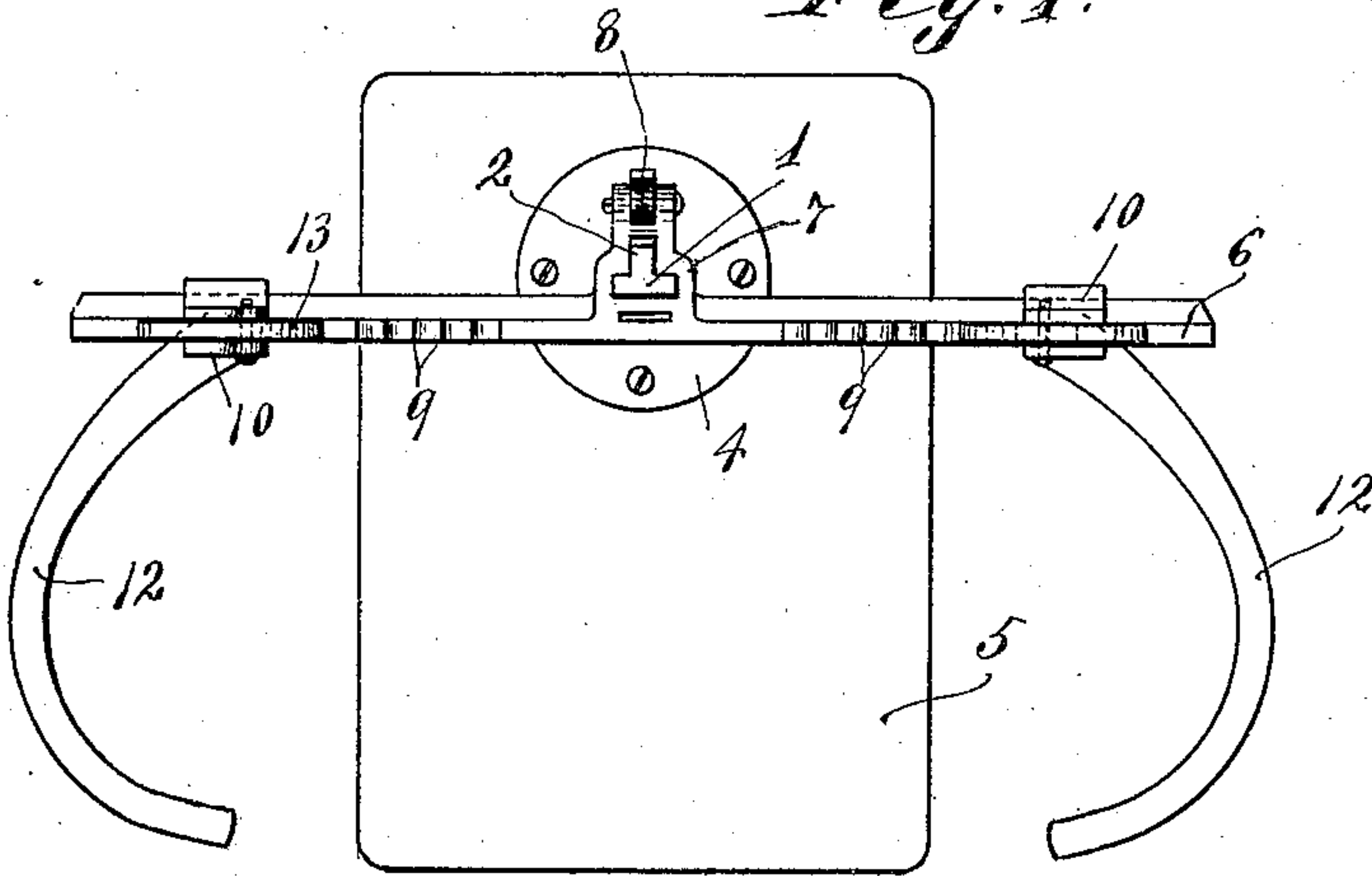
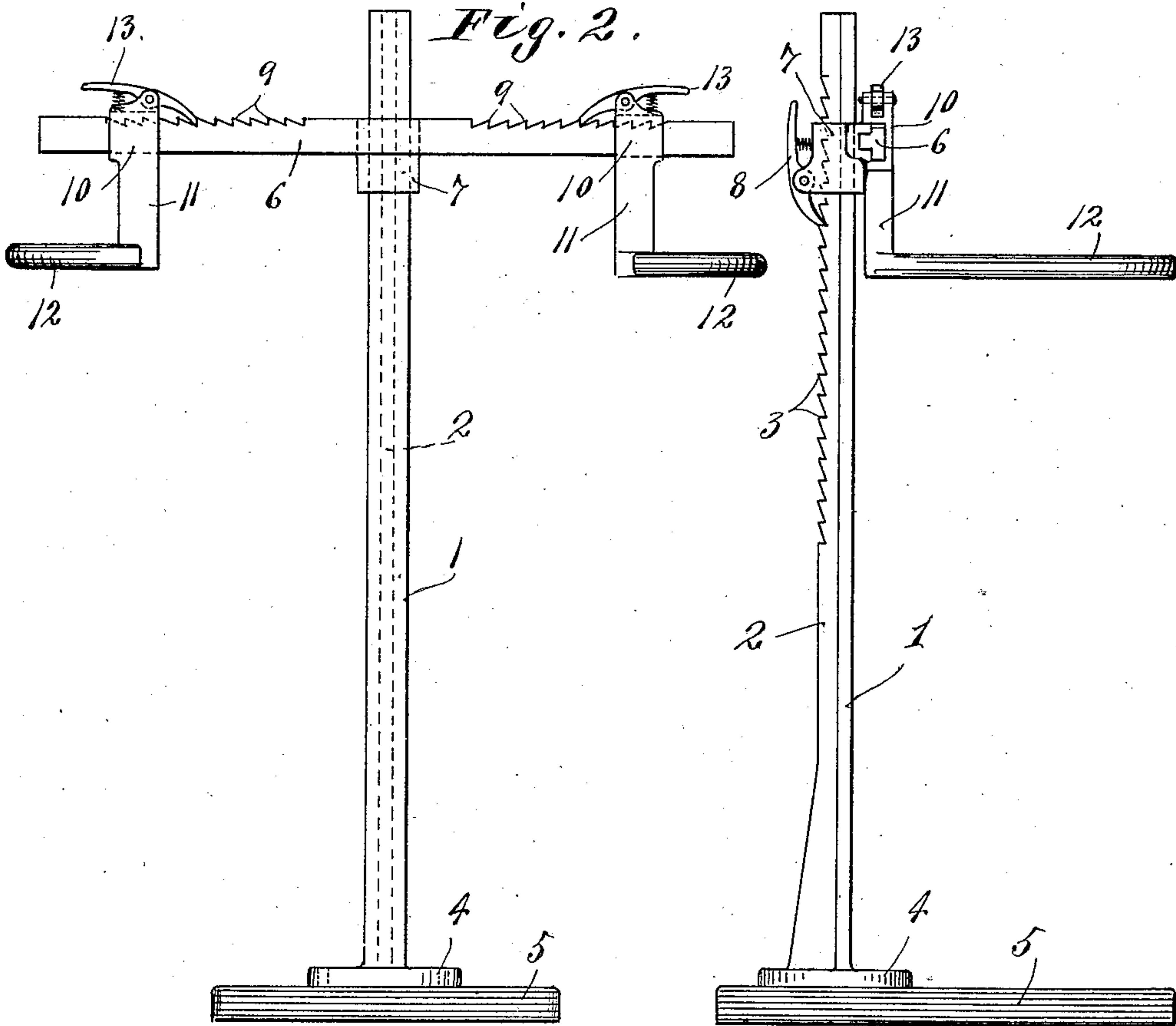


Fig. 3.



Witnesses.
A. H. Opsahl.
Molie Hoel

Inventor.
Carl. G. Carlson.
By his Attorneys.
Williamson & Merchant

UNITED STATES PATENT OFFICE.

CARL G. CARLSON, OF BRAHAM, MINNESOTA.

BAG-HOLDER.

No. 865,760.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed September 28, 1906. Serial No. 336,575.

To all whom it may concern:

Be it known that I, CARL G. CARLSON, a citizen of the United States, residing at Braham, in the county of Isanti and State of Minnesota, 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.

10 My invention has for its object to provide an improved bag holder especially adapted for use to hold grain sacks in upright positions, with their upper ends open and in a condition to receive grain.

15 To the above ends the invention consists of the novel devices and combinations of devices herein-after described and defined in the claims.

The improved device is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

20 Referring to the drawings, Figure 1 is a plan view of the improved bag holder. Fig. 2 is a front elevation of the same; and Fig. 3 is a side elevation of the improved bag holder.

25 The numeral 1 indicates an upright supporting pedestal provided, as shown, with a vertical rib 2 on its back that is formed with ratchet teeth 3. At its lower end the pedestal 1 is shown as provided with an expanded base 4 that is screwed or bolted to a supporting platform 5.

30 The numeral 6 indicates a horizontal cross bar which, at its central portion, is formed or provided with a guide bracket 7 through which the pedestal 1 and its ratchet toothed bar 2—3 work loosely. A spring pressed pawl 8 is pivoted to the back of the keeper bracket 7 and its depending end engages with the ratchet teeth 3 to support the cross bar 6 at any elevation in which it may be set on the pedestal. The cross bar 6 is, as shown, angular in cross section and on the upper edge of the upturned flange thereof are ratchet teeth 9. The ratchet teeth 9 on the cross bar 6 extend in opposite directions on each side of the keeper bracket 7.

45 Mounted to slide loosely on the opposite end portions of the cross bar 6 are take up heads 10 which, as shown, have depending arms 11 which, in turn, are formed or provided at their lower ends with curved grapple arms 12 that extend in horizontal planes and are curved in opposite directions To each take up

head 10 is pivoted a spring pressed pawl 13 that is adapted to engage with the cooperating ratchet teeth 9 of the cross bar 6.

The so-called "grapple arms" 12 are given the proper curvature for engagement with the mouth of the bag, and it will, of course, be understood that in securing the sack, the said arms 12 are applied to the inner surface of the open end thereof and are then forced in opposite directions from each other as far as the bag will permit. The pawls 13, by engagement with the reversely extended ratchet teeth 9 will hold the grapple arms 12 pressed into engagement with the bag, and the mouth of the bag will, therefore, be held open and the upper end of the bag will be supported. The cross bar 6 should, of course, be so adjusted that the bottom of the bag will barely rest upon the platform 5. The pawl 8 will, of course, hold the said cross bar and, hence, the upper end of the bag, at the properly set elevation.

After the bag has been filled, the bag may be easily released simply by pressing on one or the other or both of the pawls 13, thereby releasing one or both of the grapple arms 12 and permitting the same to release the bag. To lower the cross bar 6 it is only necessary to press upon the tail of the pawl 8 and it is, of course, evident that the pawls 13 are self-locking when the grapple arms are removed away from the standard 1, and that the pawl 8 is self locking when the cross bar 6 is raised.

The device described is simple, strong and durable and may be very quickly and easily operated. Furthermore, when a bag is held thereby, it may be very easily filled with grain by means of a scoop, or direct from the spout of the threshing machine.

What I claim is:

In a bag holder, the combination with a standard, of a cross bar mounted to move vertically on said standard and having reversely extended ratchet teeth on the opposite sides of said standard, take-up heads having depending arms and mounted to slide on the end portions of said cross bar and provided with pawls engageable with the ratchet teeth thereof, and grapple arms rigidly secured to the depending arms of said take-up heads and engageable with the mouth of the bag to hold the same open and to support the bag, substantially as described.

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

CARL G. CARLSON.

Witnesses:

P. J. ENGBERG,
JOHN JAHNSAR.