

No. 775,962.

PATENTED NOV. 29, 1904.

A. H. BECKMAN.

SACK HOLDER.

APPLICATION FILED MAY 16, 1904.

NO MODEL.

Fig. 1.

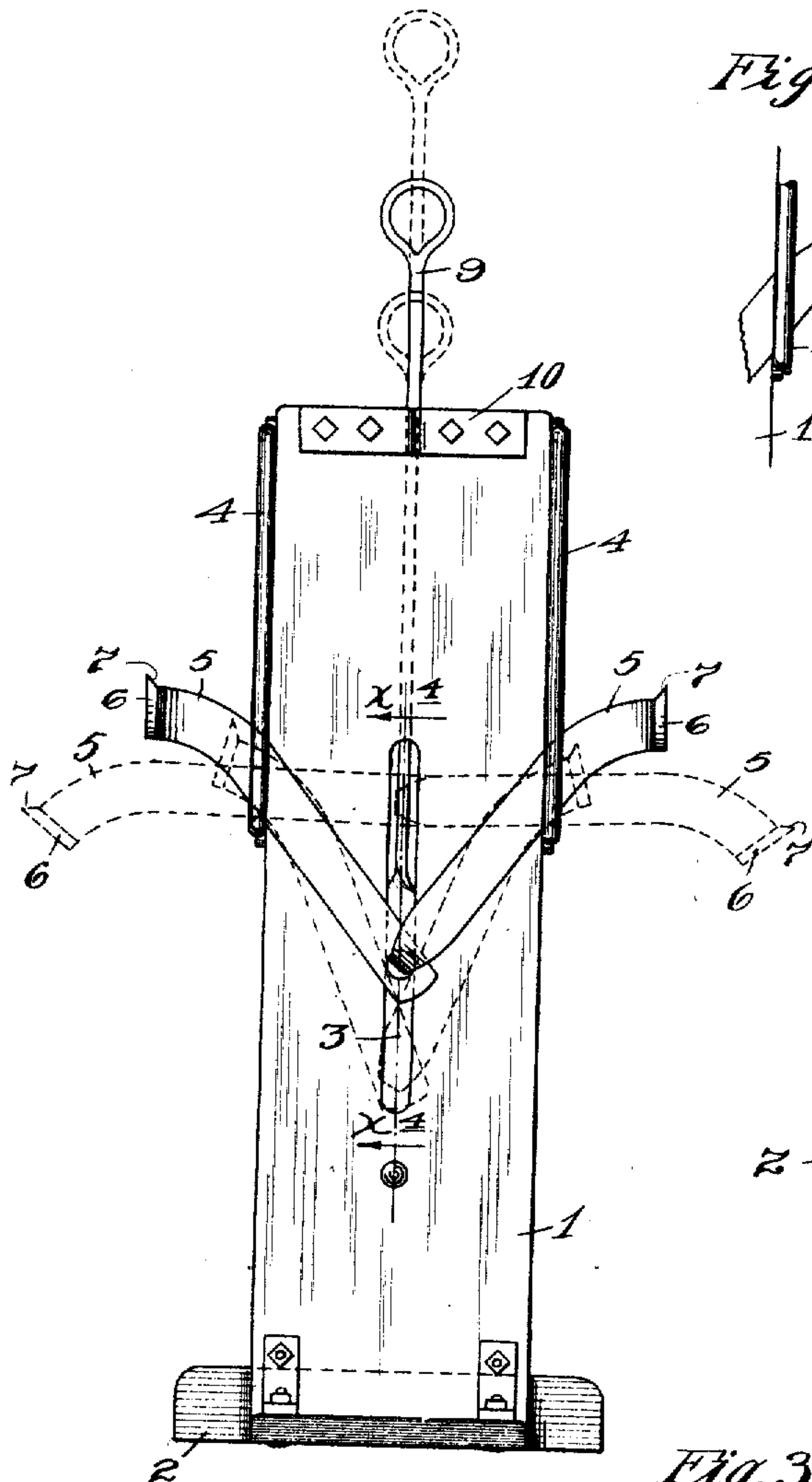


Fig. 5.

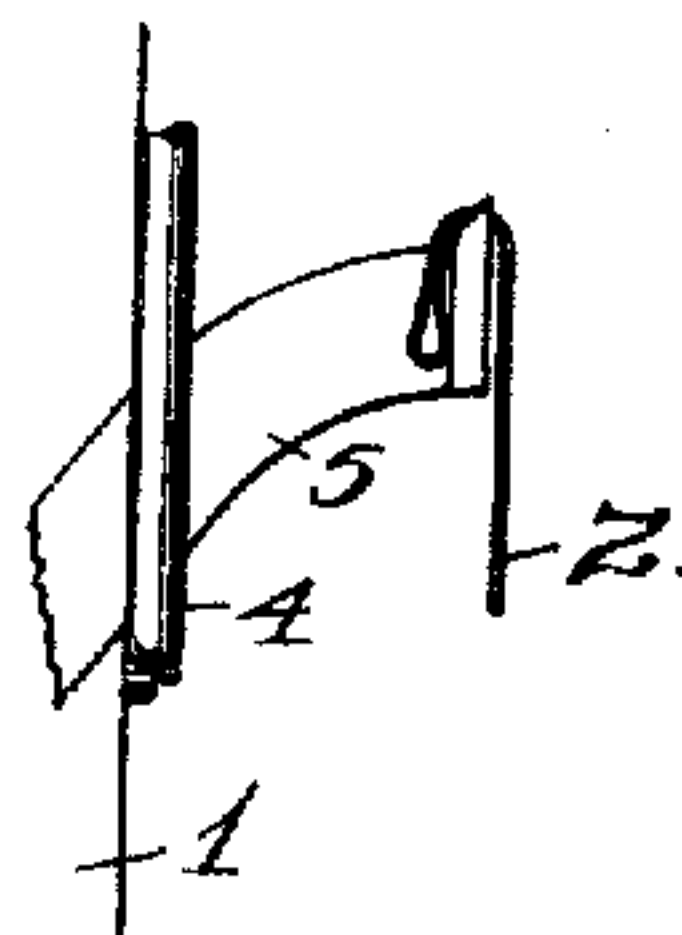


Fig. 2.

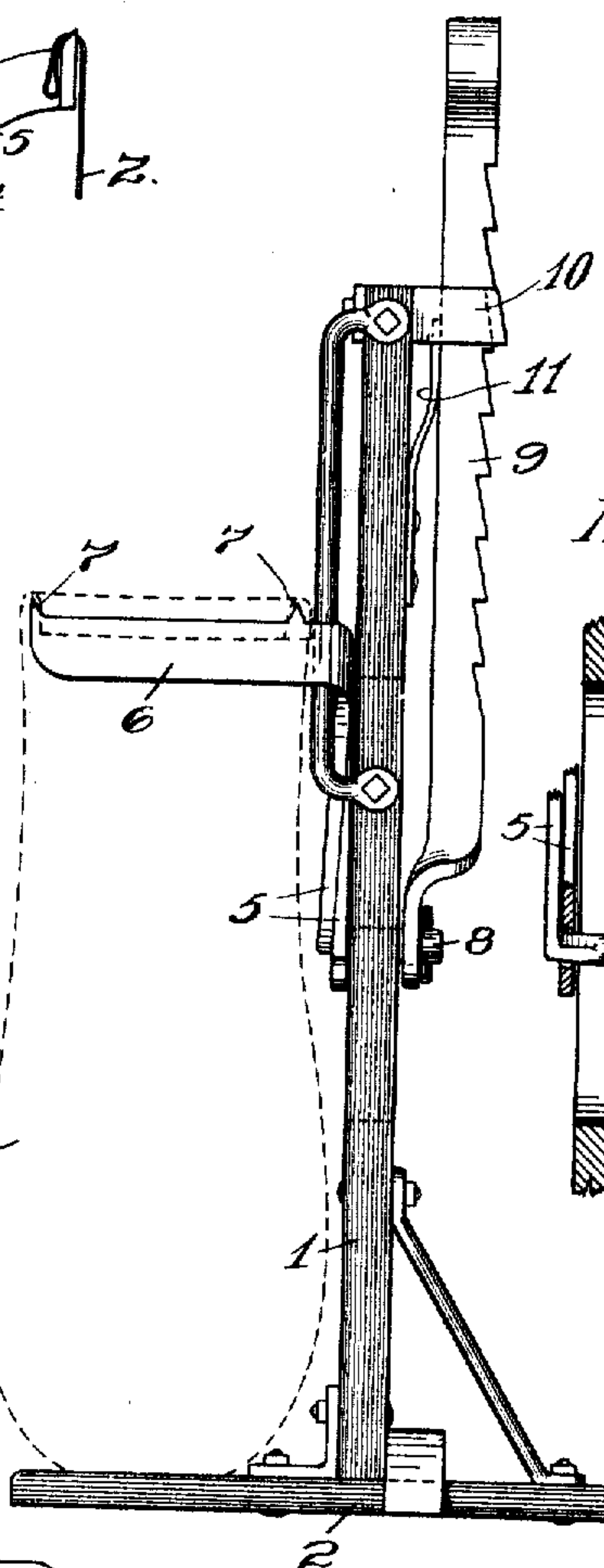


Fig. 4.

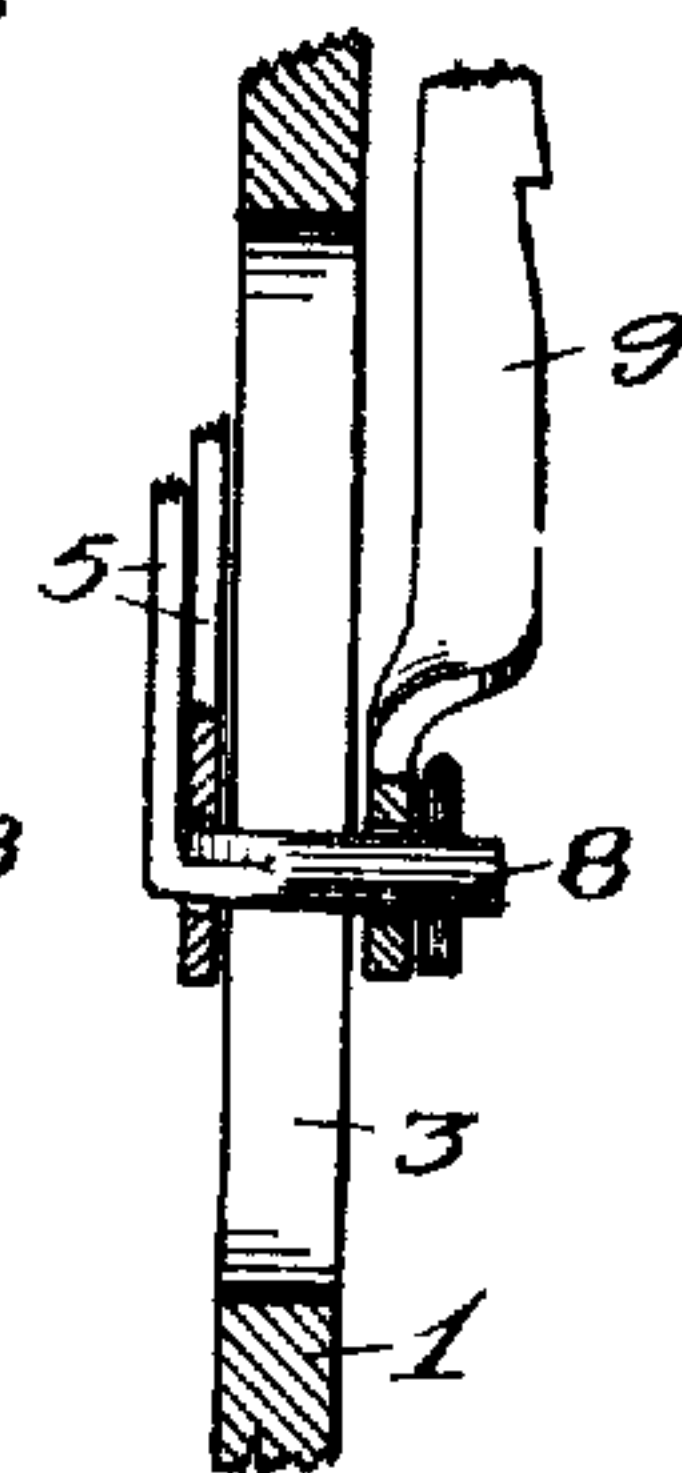
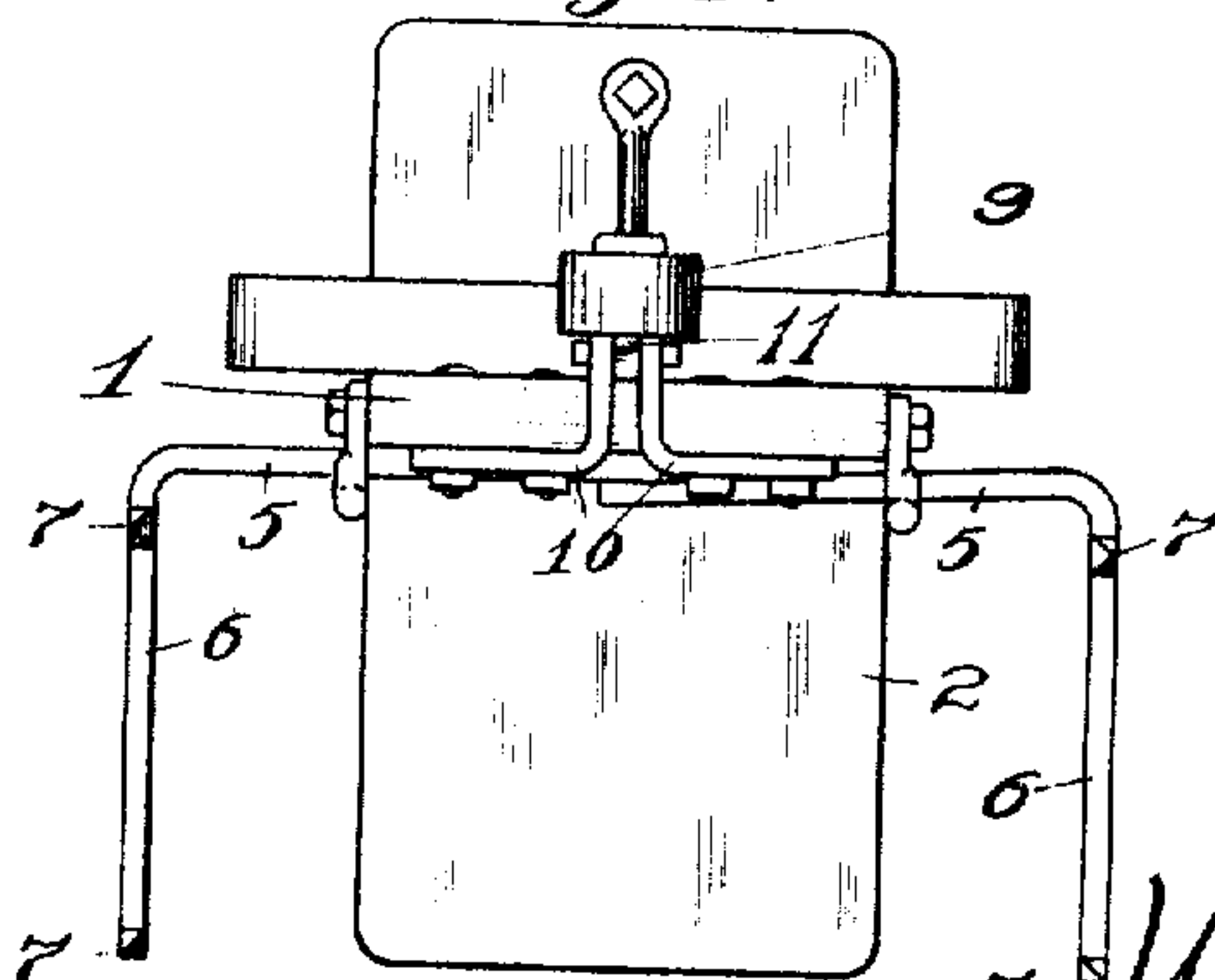


Fig. 3.



Witnesses:  
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Inventor:  
A. H. Beckman.  
By his Attorneys.

Williamson & Mecklenburg

# UNITED STATES PATENT OFFICE.

ANDREW H. BECKMAN, OF GRANDY, MINNESOTA.

## SACK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 775,962, dated November 29, 1904.

Application filed May 16, 1904. Serial No. 208,146. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW H. BECKMAN, a citizen of the United States, residing at Grandy, in the county of Isanti and State of Minnesota, have invented certain new and useful Improvements in Sack-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.

My invention has for its object to provide an improved sack-holder, and to such ends it consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

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

Figure 1 is a view in front elevation, showing the complete sack-holder. Fig. 2 is a side elevation of the sack-holder, the sack being indicated by dotted lines. Fig. 3 is a plan view of the sack-holder. Fig. 4 is a detail in section on the line  $x^1 x^1$  of Fig. 1, some parts being broken away; and Fig. 5 is a detail in front elevation, showing a portion of one of the sack-engaging grapple-irons and illustrating the manner in which the mouth of the sack is applied thereto.

The numeral 1 indicates a pedestal or vertical support, which, as shown, is rigidly secured at its lower end to a base 2. At its intermediate portion the pedestal 1 is formed with a slot 3, and rigidly secured to the opposite edges of the upper portion of said pedestal is a pair of vertically-extended guide-rods 4.

The numeral 5 indicates a pair of so-called "grapple-arms," which work freely through the vertically-elongated openings formed between the guide-rods 4 and the pedestal 1 and are provided at their outer free ends with laterally-bent extensions 6. The arm extensions 6 project forward from the pedestal 1 and rods 4, approximately parallel to each other, and are formed with vertically-projecting barbs 7 for a purpose which will presently appear. One of the arms 5 is formed with a trunnion 8, which projects through a perforation in the lower end of the other arm 5 and works through the vertical slot 3 of the pedestal 1.

In this way the two grapple-arms 5 are pivotally connected at their lower ends and are guided for vertical movements in the slot 3, so that their free ends will always project equal distances outward beyond the guide-rods 4.

A ratchet-toothed grapple-supporting bar 9 is pivotally attached at its lower end to the projecting trunnion 8 of the said trunnion-equipped arm 5 and at its upper portion works freely through a yoke-like lock-bracket 10, rigidly secured on the upper end of the pedestal 1. The transverse outer portion of the lock-bracket 10 engages as a detent with the teeth of the bar 9 to support the same in any set vertical adjustment. A leaf-spring 11, secured on the back of the pedestal 1, presses against the bar 9 and yieldingly maintains engagement between the teeth of the said bar and the transverse outer portion of the said lock-bracket 10. The character  $\epsilon$  indicates a sack, which sack is indicated by dotted lines in Fig. 2 and is indicated in part by full lines in Fig. 5.

To secure the sack with its mouth open in position for filling, the said mouth or open end thereof is drawn outward over the extensions 6 of the grapple-arms 5 and is turned inward and secured by the barbs 7. This being done, the weight of the sack will draw it downward on the free ends of the grapple-arms and will cause the said arms to spread or separate as far as they can by the mouth of the engaged sack, and in this way the mouth of the sack is held open to its limit. The free ends of the grapple-arms being capable of considerable movement toward and from each other will adapt themselves to sacks varying considerably in transverse dimensions.

It is not desirable that a sack should be supported entirely from the grapple-arms, because a sack when filled will be very heavy and will tend to tear itself loose from the barbs 7. On the contrary, it is very desirable that the bottom of the filled sack be rested upon a rigid support. As is evident, by vertical adjustments of the ratchet-toothed supporting-bar 9 the grapple-arms 5 may be vertically adjusted, so that the bottom of the



sack will rest upon the base 2, with the sack held elongated or drawn out to its full length. This vertical adjustment of the grapple-irons should be given after the sack has been applied to the arm extension 6. A filled sack may be readily released from the engaged mouth of the sack simply by pressing the bar 9 slightly forward against its spring 11 and then downward, so as to lower the free ends of the grapple-arms.

The device described is of simple construction and is very easily operated. It is of course adapted to be used in all places where a sack-holder is desirable, and is especially adapted for use in connection with grain-delivery spouts of threshing-machines, elevators, and automatic grain-weighing devices.

The sack-holder described is capable of modification within the scope of my invention as herein set forth and claimed.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. The combination with a supporting-pedestal, having a vertical intermediate slot, and parallel upper end guides, of a pair of grapple-arms working freely through said upper end guides, a trunnion pivotally connected to the lower ends of said grapple-arms, and working through the slot of said pedestal, a ratchet-

toothed supporting-bar pivotally attached to the projecting rear end of said trunnion, and a lock-bracket on said pedestal, coöperating with said ratchet-toothed bar, to support said grapple-arms in different vertical adjustments, substantially as described.

2. The combination with the pedestal 1, having the vertical slot 3, and laterally-projecting vertical guide-rods 4, of the grapple-arms 5, working between said guide-rods 4 and said pedestal, and formed with lateral extensions 6, having barbs 7, one of said grapple-arms having a trunnion 8 pivotally connecting it to the coöperating grapple-arm, working through said slot 3 and projecting to the rear of said pedestal, the lock-bracket 10 secured to the upper end of said pedestal, the ratchet-toothed bar 9, guided by and coöperating with said lock-bracket, and pivotally attached to said trunnion 8, and the spring 11 yieldingly pressing the toothed portion of said bar 9 into interlocking engagement with the said lock-bracket 10, substantially as described.

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

ANDREW H. BECKMAN.

Witnesses:

A. H. SOUTHERLAND,  
I. H. HEGBERG.