

H. J. MILLER.

BAG.

APPLICATION FILED AUG. 2, 1909.

963,307.

Patented July 5, 1910.

Fig. 1

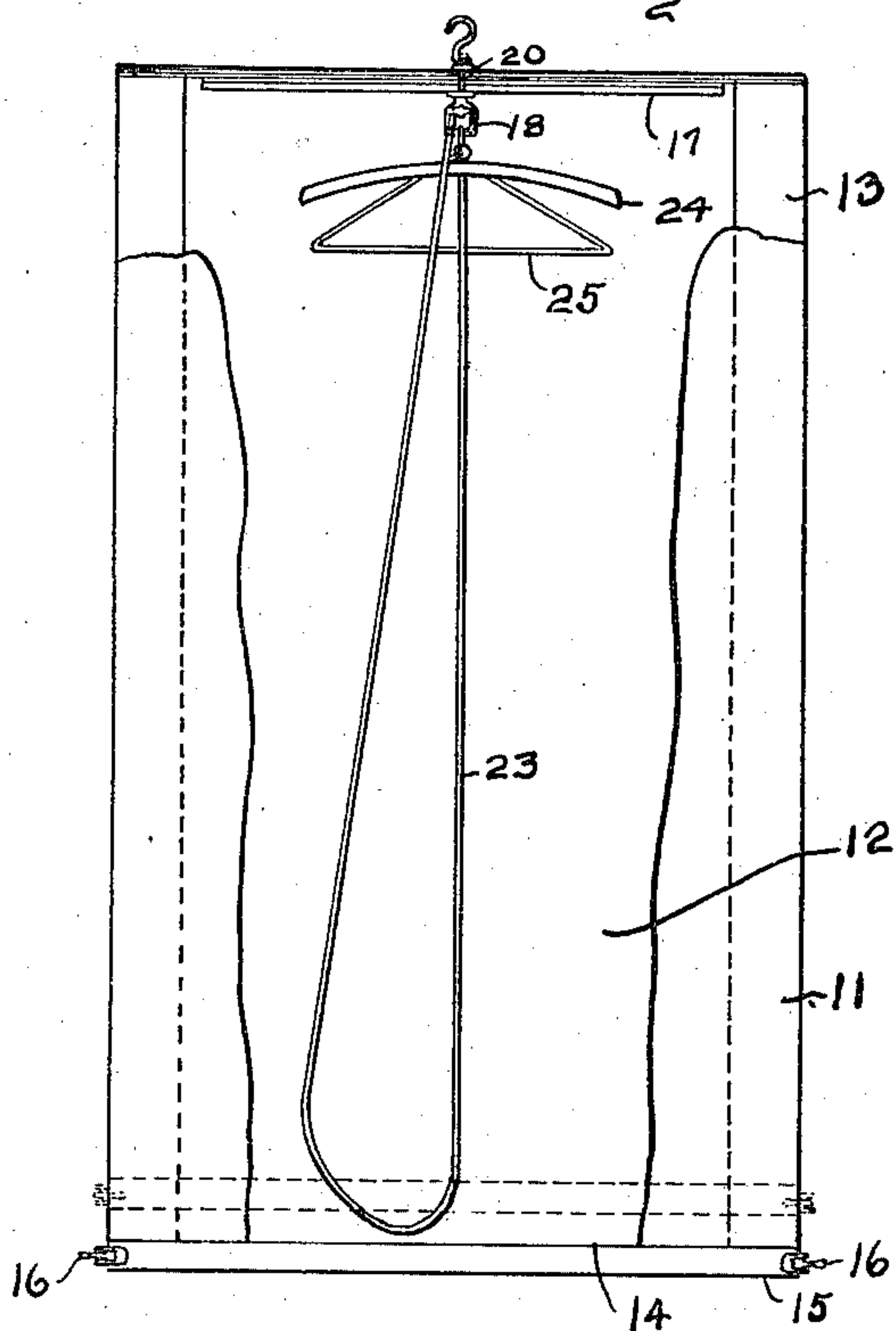


Fig. 2

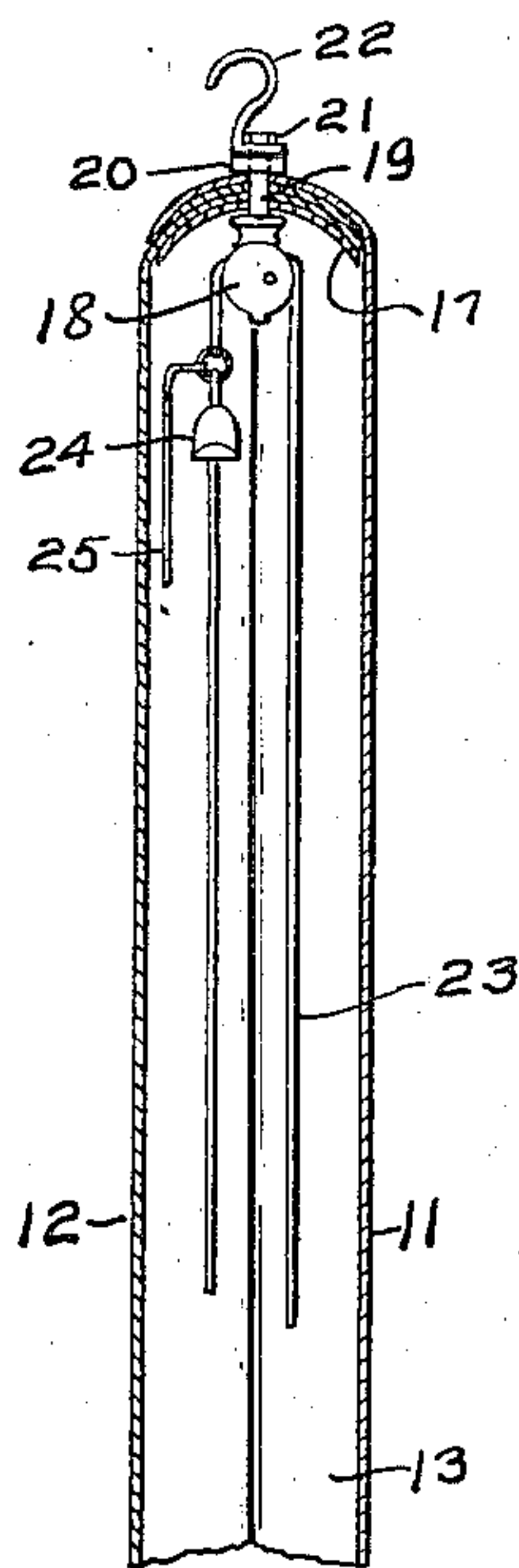


Fig. 3.

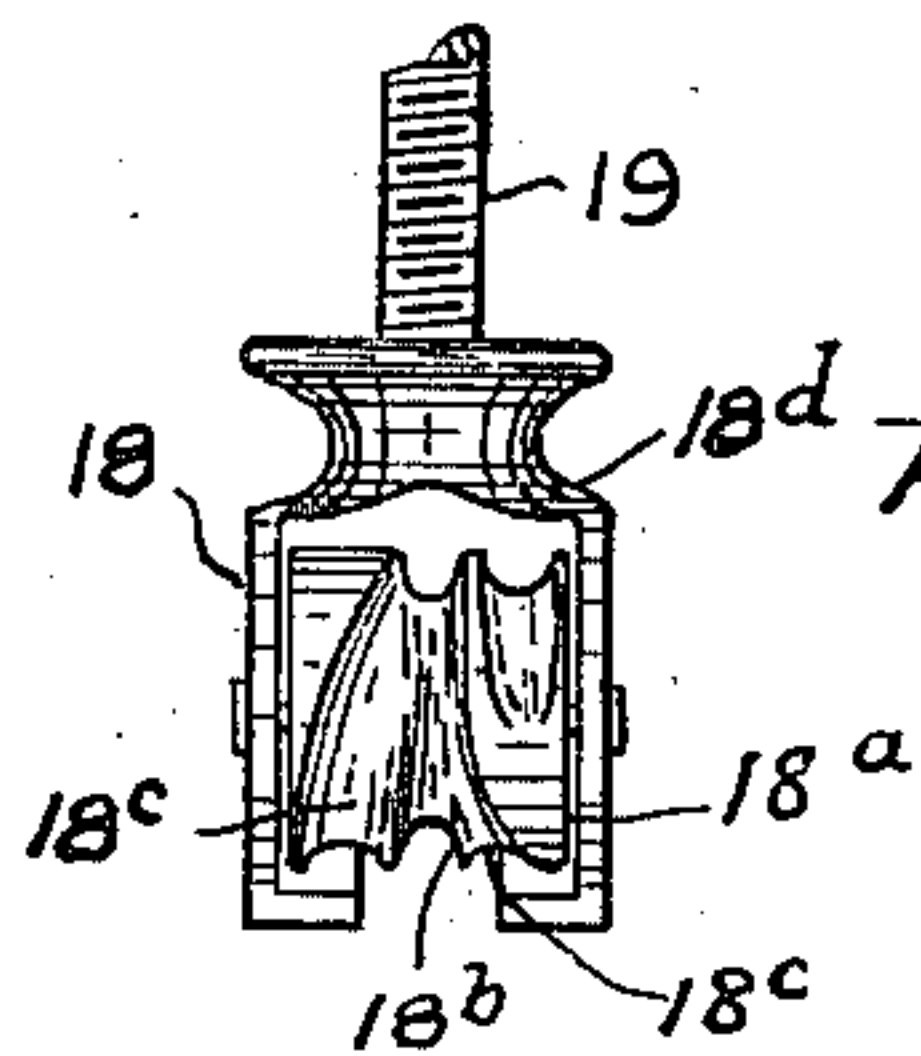


Fig. 4



Fig. 6.



Fig. 5



WITNESSES:

Helen F. Glenn.  
Harry F. Kuehn

INVENTOR

Henry J. Miller

BY

Taylor & Hulce

ATTORNEYS.



# UNITED STATES PATENT OFFICE.

HENRY J. MILLER, OF FORT WAYNE, INDIANA.

BAG.

963,307.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed August 2, 1909. Serial No. 510,905.

*To all whom it may concern:*

Be it known that I, HENRY J. MILLER, a citizen of the United States, residing at Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Bags, of which the following is a specification.

This invention relates to bags in which to support garments or other articles for protection against dust, moth, vermin and the like.

Most bags now in use for a similar purpose are so arranged that the garments or articles are inserted into the bag while the mouth is elevated, the hooks or devices by which the articles are supported therein being arranged adjacent to the mouth. It is often a very tedious and difficult undertaking to insert an article into such a bag since it is desirable to avoid all crushing of the same. This is particularly true of heavy or long garments, or of articles of which the user may have frequent use such as an evening gown or dress suit.

The object of this invention is to provide a bag in which garments or other articles may be retained and protected against dust, moth, vermin and the like, the bag being adapted to be supported at or adjacent to its closed end and having means therein by which garments or other articles may be easily inserted into the interior of the bag and supported therein so that the mouth of the bag may be closed to completely inclose the article in the bag, the article being easily removed from the bag at the pleasure of the user, all with little or no crushing to the article.

The invention consists in applying to a dust, moth, vermin, etc., proof bag means by which a support for garments or other articles is adapted to be elevated through the mouth of the bag into the interior thereof, retained therein at any desirable point and removable therefrom at the will of the user, one exemplification of which is illustrated in the drawing in which—

Figure 1 is an elevation of the bag, the front being partially broken away; Fig. 2 an enlarged partial section of the bag; Fig. 3 an elevation of the pulley; Figs. 4 and 5 views of the conveyer guide and Fig. 6 a view of a modified form of reinforcement for the closed end of the bag.

Referring to the drawings, I take any

suitable bag having the usual front 11 and back 12 formed of paper or other suitable material: The sides 13 are preferably folded inwardly so that they may expand when the front is drawn outwardly from the back 60 or vice versa. One end 14 of the bag is closed in any suitable manner as by folding that end over on itself and securely retaining the fold in that position, as clearly illustrated in Fig. 1. The other end of the bag 65 is adapted to form the mouth. In order that the mouth may be securely closed, I extend the back 12 beyond the front 11 or provide an extension 15 on the back. At each side of this extension or flap 15 is fixed 70 a clasp 16. Extension or flap 15 is adapted to be folded over onto front 11 and the folded flap and front, back and sides given a second fold on the front, as shown by the dotted outline in Fig. 1. Clasps 16 are 75 then sprung around onto the back and the mouth of the bag is thereby securely closed against dust, moth, etc. This means of closure is described in Letters Patent 924,174, hence I lay no claim to it, and do not wish 80 to be limited to that specific means of closure as I contemplate using my invention on any suitable bag having any suitable closure device.

At or adjacent to the closed end of the bag 85 and within the bag I arrange a suitable reinforcement 17 which extends a suitable distance along the width of the bag. This reinforcement may be metallic or formed of stiff paper, or of any other suitable material, and it may be curved (Fig. 2) or flat, or tubular, as 17', Fig. 6, its purpose being to reinforce the bag at this point and, when placed in the bottom, as shown in the drawings, it will tend to expand or shape the bag to more 95 or less extent.

Adjacent to the closed end of the bag is suitably supported a suitable self locking pulley 18, of which there are many forms 100 now in use for various purposes. The threaded stem 19 of this pulley may pass through reinforcement 17, and through the bag, a threaded disk or nut 20 on the protruding stem securing the parts together. A suitable hook or hanger 22 is adapted to be 105 revolvably engaged on the protruding stem 19, nut 21 retaining the same on the stem. Any suitable form of hanger and any suitable manner of attaching it to the bag will 110 suffice for my purpose.



A cord or rope conveyer 23 passes over pulley 18, at one end of which is provided an article hanger 24. Any hanger suitable to support the article which it is desired to inclose in the bag will suffice for my purposes. The other end of cord 23 may be attached to the hanger 24, or may remain free.

Attached to the hanger 24 or on the cord above and adjacent to the hanger is provided a suitable guide 25 which is adapted to travel with the hanger and cord as the latter are raised and lowered, thereby preventing the twisting of the same.

The pulley 18, illustrated in the drawing, has the usual wheel 18<sup>a</sup> which is provided with a central, annular groove 18<sup>b</sup> and one or more grooves 18<sup>c</sup> which are arranged in the surface of the wheel at an angle to the central groove 18<sup>b</sup> and decrease in depth as the surface of the wheel is approached. The rope or cord conveyer 23 is adapted to run in the central groove when hanger 24 is being elevated or lowered. When it is desired to lock the pulley the conveyer 23 is given an angular pull with respect to the central groove 18<sup>b</sup> causing it to engage one of the angularly disposed grooves 18<sup>c</sup>, by which the cord is led toward the surface of the wheel 18<sup>a</sup> where it comes into contact with the pulley case or block 18<sup>d</sup>, there being insufficient clearance between the plain surface of the wheel and the case to receive the conveyer as the cord is held fast in that position as soon as the force applied to the same is removed. It is evident that the article support 24 may be elevated in the manner just described and held at any desired point within the bag, a mere downward pull of the conveyer cord releasing the pulley and enabling the lowering of the hanger out of the bag.

In practice the bag would be hung up by hanger 22 on any convenient object, such as the ordinary picture molding in a room, the mouth of the bag will be opened and the article support lowered in the bag. The garment or other article which it is desired to place in the bag is placed on the support and the latter with its burden is drawn up through the mouth into the interior of the bag to a height sufficient for the lower end of the article to clear the mouth of the bag and permit of the closure of the latter. It is thus apparent that the article can be in-

serted into the bag with great ease and little or no crushing of the same.

What I claim is:—

1. An article of the class described comprising a bag formed of suitable material, and adapted to be supported from its closed end, means supported within the bag adapted to elevate and support an article therein, and means for closing the mouth of the bag.

2. An article of the class described comprising a bag having a closed end and expansible sides, and having means for closing the mouth thereof, means arranged adjacent to the closed end of the bag adapted to support the latter, and means arranged within the bag whereby an article may be elevated within the bag and removably supported therein.

3. A bag of the class described having a closed end, a support therefor mounted adjacent to the closed end, an article supporting means suspended within the bag and adapted to be elevated and automatically but releasably fixed therein and means for closing the mouth of the bag.

4. A bag of the class described having an open end adapted to be securely closed, and having an article support suspended within the same which is adapted to be raised and lowered therein and releasably held at any desired point therein.

5. A bag of the class described having one end closed, means within the bag adapted to reinforce the closed end, a self locking pulley supported within the bag, and an article support suspended by the pulley and adapted to be elevated within the bag and held therein at any desired point.

6. A bag of the class described having a closed end, a reinforcement for said closed end, a self locking pulley supported by the reinforcement and bag, a cord passing over the pulley and carrying an article support, means to prevent the twisting of the cord, the parts being so arranged that the article support may be raised and lowered within the bag and releasably held fixed at any desired point therein.

In witness whereof, I have hereunto subscribed my name this 29th day of July, 1909.

HENRY J. MILLER.

Witnesses:

HELEN F. GLENN,  
EDWARD B. McINTOSH.