Sept. 10, 1929. W. J. SCHARIO ET AL 1,727,448

BAGGING DEVICE

Filed Nov. 19, 1928

Fig 1.

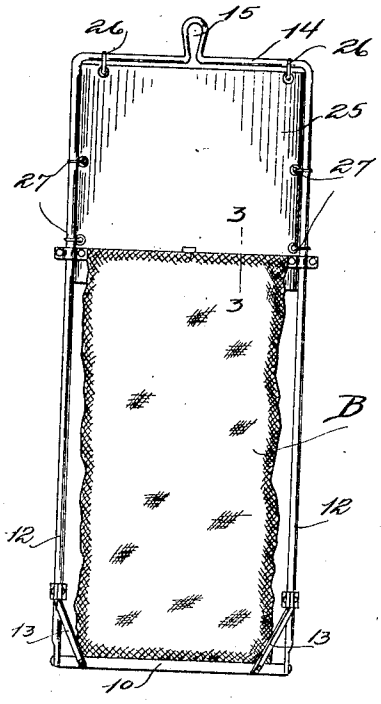


Fig 2.

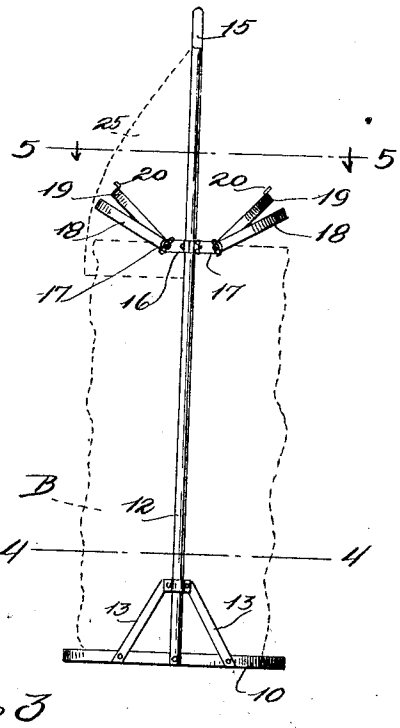


Fig 3

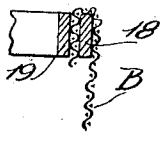


Fig 4

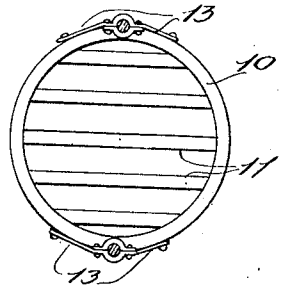


Fig 5

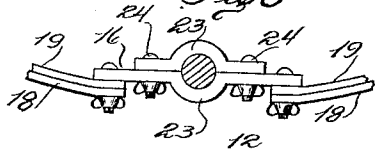
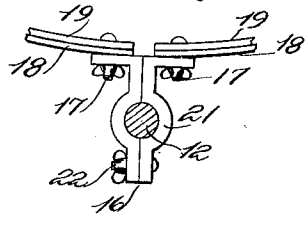


Fig 6



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Patented Sept. 10, 1929. 1,727,443

UNITED STATES PATENT OFFICE.

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BAGGING DEVICE.

Application filed November 19, 1928. Serial No. 320,388.

This invention relates to bagging devices and has special reference to a device arranged to hold a bag in upright and open position for filling.

One important object of the invention is to provide a device of this description of novel general construction and arranged for portability.

A second important object of the invention is to provide a device of this description especially adapted to be used in connection with a pair of scales for weighing the contents of the bag.

A third important object of the invention is to provide an improved device of this description adjustable for different heights of bags.

A fourth important object of the invention is to provide a device of this description having a novel arrangement of bag lip or mouth holder in combination with an improved shield or screen to keep material, being placed in the bag from one side, from falling out on the other side as the bag is filled up.

With the above and other objects in view as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:

Figure 1 is an elevation from what may be termed the front of the device.

Figure 2 is a side elevation thereof, the bag and shield being shown in dotted outline.

Figure 3 is an enlarged detail section on the line 3—3 of Figure 1.

Figure 4 is a section on the line 4—4 of Figure 2.

Figure 5 is an enlarged detail section on the line 5—5 of Figure 2 but showing only the attachment of the bag mouth hoops to the slide.

Figure 6 is a view similar to Figure 5 but showing a modified form of slide.

In the embodiment of the invention here shown there is provided a base which consists of an annular member 10 having cross bars 11 secured by their ends thereto so that a species of grating is formed. At diametrically opposite points on the ring 10 are uprights 12 and braces 13 are used to hold these uprights at right angles to the base formed by the ring 10 and bars 11. Preferably the uprights are formed from the same piece of rod steel, the steel being bent to provide a cross member 14 at the top of the uprights so that their upper ends are connected. Also this cross member is bent upwardly at the middle to provide a suitable hanger eye or bend 15. Mounted slidably on each upright is a sliding member or slide 16 and at each end of this sliding member is a clamping bolt 17 provided with a wing nut. Pivoted on these bolts 17 are the ends of pairs of half hoops each consisting of an outer member 18 and an inner member 19 concentric with each other and arranged to act like embroidery hoops on the upper or mouth edge of a bag B. It will be noted from Figure 3 that the material of the bag at its mouth is doubled inwardly over the outer half hoops 18 and then the inner half hoops turned to engage this mouth portion and clamp it against the outer half hoops. Lips 20 are provided on the inner half hoops 19 to stop these hoops from passing too far downwardly.

In the form of the device shown in Figure 6 it will be seen that the sliders consist of two similar members 21 which are bowed away from each other to embrace the upright 12 and are riveted together at one side of the upright while on the other side there is provided a clamping bolt and nut 22 so that after the slider is adjusted in height it may be clamped in adjusted position. Similarly, in the form shown in Figure 5 the slider consists of a pair of cooperating oppositely bowed members 23 but in this case there is provided on each side of the upright 12 a clamping bolt and nut 24.

The screen used herewith consists of a strip of canvas or other suitable flexible material as indicated at 25 and rings 26 passing through eyes in the top edge of this screen or shield serve to hold this edge to the cross

bar 14. Similarly, rings 27 connect the side edges of the strip 25 to the uprights 12, the strip being formed in such manner that it may bulge outwardly at its lower end to fit over the half hoops on one side or the other of the device and assume the position shown by the dotted lines in Figure 2.

It will now be obvious that the bag, whatever its height, may be held in upright open position with its bottom resting on the base of the invention and that the screen 25 may be adjusted to either side of the bag as may be most convenient. Then the bag may be filled from the side opposite the screen, which may be called the front, and there will be no danger that articles placed therein will roll over the opposite edge or back of the bag. The eye 15 may be used to connect to a hoist or scales as is found desirable.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction of the invention without departing from the material spirit thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is desired to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is:

1. In a bagging device, a pair of standards, bag edge clamping hoops carried by said standards, and a flexible shield attached at its sides to said standards and having its lower portion engaging the outside of a respective hoop.

2. In a bagging device, a pair of standards, bag edge clamping hoops carried by said standards, a flexible shield attached at its sides to said standards and having its lower portion engaging the outside of a respective hoop, and a cross bar at the top of said standards to which the upper edge of the shield is attached.

3. In a bagging device, a base, a pair of standards extending upwardly from said base, oppositely disposed pairs of bag edge clamps supported from said standards, the members of each pair being concentrically arcuate and pivoted together at their ends, means to clamp the members of each pair in bag holding position, and a flexible shield attached at its sides to said standards above clamps and having its lower edge engaging the outer member of a selected pair of clamping members.

4. In a bagging device, a base, a pair of standards extending upwardly from said base, oppositely disposed pairs of bag edge clamps supported from said standards, the members of each pair being concentrically arcuate and pivoted together at their ends, means to clamp the members of each pair in bag holding position, a flexible shield attached at its sides to said standards above clamps and having its lower edge engaging the outer member of a selected pair of clamping members, and a cross bar at the top of said standards to which the upper edge of the shield is attached.

In testimony whereof we have affixed our signatures.

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AUGUSTUS L. SCHARIO.