

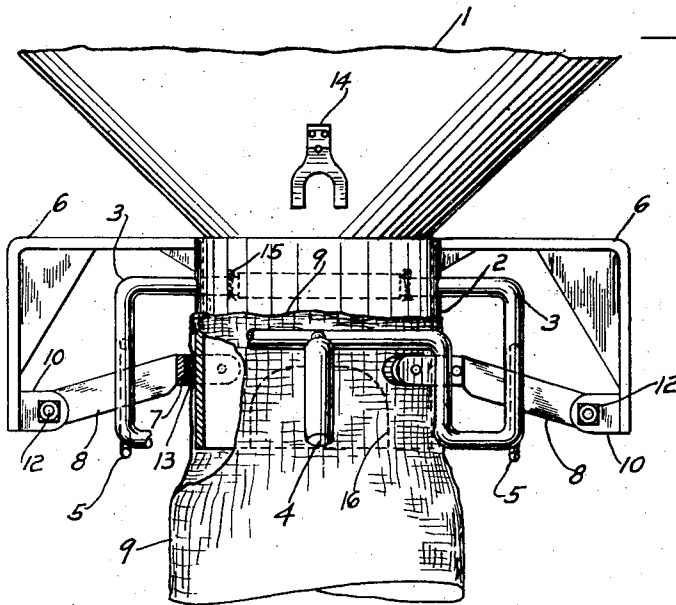
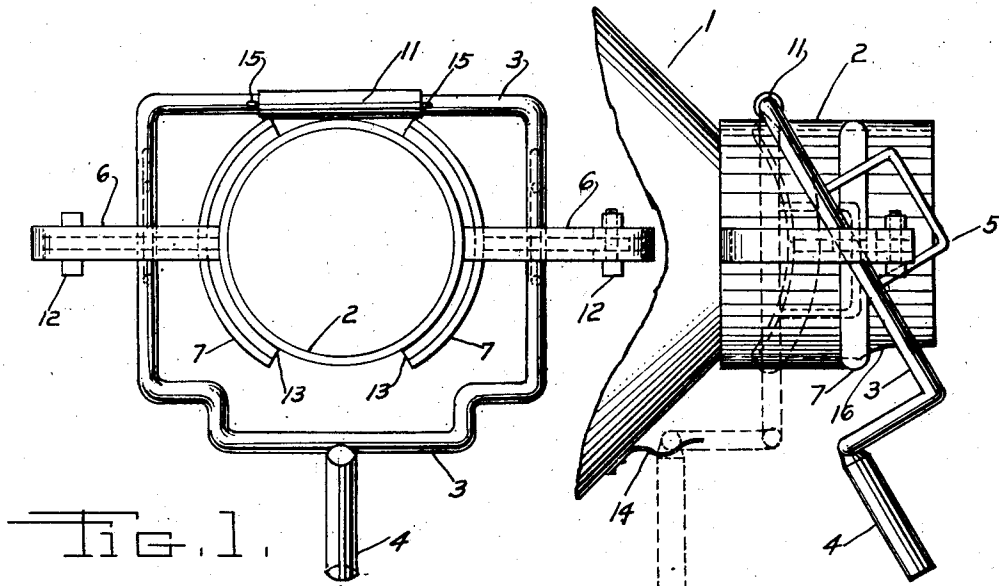
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BAG FILLING HOLDER

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BAG FILLING HOLDER

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1 Claim. (Cl. 248—95)

This invention relates to a device for holding bags for filling from a chute leading from a bin or hopper. The main object is to provide a device of this kind that will firmly hold the bag in place while the material such as cement, fertilizer and the like is being fed into it, and at the same time grip the top of the bag without injury to it as bags are made of cloth or paper.

Another object is to provide a bag filling holder that will be comparatively cheap to manufacture and free from complicated mechanism.

Other objects and advantages will appear from the drawing and description.

By referring to the drawing, part of this application, it will be observed that Fig. 1 is a plan view of a hopper chute with bag holder attached; Fig. 2 is a right side elevational view of hopper chute with bag holder attached; and Fig. 3 is a front elevational view of hopper chute with bag holder attached and upper portion of bag being held for filling.

Similar reference numerals refer to similar parts throughout the several views.

Again referring to the drawing in detail it will be seen that the bag filling holder comprises a main frame 3 carried in a hinge type bracket 11 that is attached to the chute 2 leading from the hopper 1. The front of the frame is provided with a suitable handle 4. The frame is held in place by pins 15 or similar means. Integral with the frame are links 5 that surround arms 8 that are swingable on studs or bolts 12 attached to the lower end extensions 10 of brackets 6 that are carried attached to the chute 2. The swingable arms 8 are provided with circular segments 7 that are lined with a soft material 13 such as rubber or leather or the like so as not to injure the gripped portion of the bag 9 when the bag is being filled. When not in use gripping the top of the bag for filling, the frame 5 is held suspended by a spring latch 14 attached to the front of the hopper 1. The chute 2 is provided with the usual cut-out or hand hole 16 so the operator may

insert his hand over the top edge of the bag to remove part of contents if over weight.

In use the operator lifts the frame 5 into the latch 14 to occupy its upper rest position indicated by the dotted lines in Fig. 2. In this position the gripping segments stand away from the chute. Then the top of the bag 9 is placed around the chute 2; then the frame assembly is lowered causing the lined segments to rest against the bag and grip it between these lined segments and the chute. The segments are disposed to tighten as they move downward and thus causing the pull of the bag as it is filled to increase the gripping.

While I have shown and described the preferred embodiment of my invention, I do not wish to limit same to the exact and precise details of structure, but reserve the right to make all modifications and changes so long as I remain within the spirit and scope of the following claim.

The present invention may be made from material best suited for the purpose such as iron, steel or metal.

Having described my invention I claim:

A bag filling holder for use in combination with a chute leading from a hopper comprising inverted L shaped brackets attached one on each side of the chute, a substantially square frame hinged to the back of the said chute, links integral with said frame, swingable arms with one end of each attached pivotally to the lower ends of said L shaped brackets, circular segments rigidly attached one each to the swingable ends of said swingable arms; substantially soft material as a lining of said circular segments; a latch attached to the front of said hopper, said latch adapted to hold the said frame suspended when not in use; said links on said frame being around said swingable arms and disposed to lift said arms and segments away from said chute when said frame is in latched position; said segments adapted when in use to clamp and hold the upper portion of a bag in filling position on said chute.

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