

E. WOODS.
BAG-HOLDER.

No. 191,741

Patented June 5, 1877.

FIG. 1.

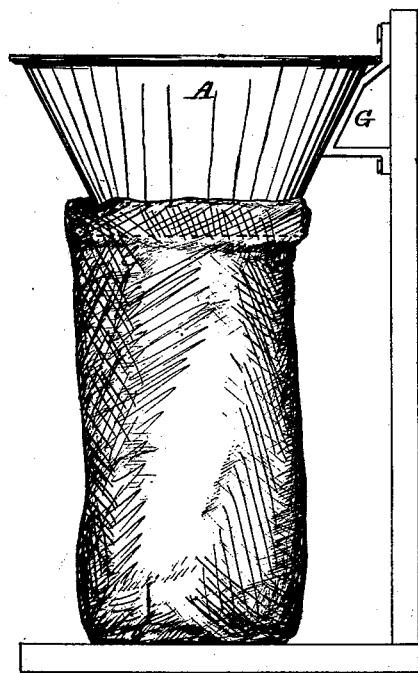


FIG. 2.

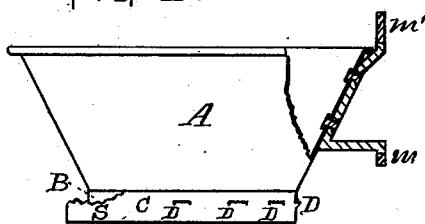


FIG. 3.

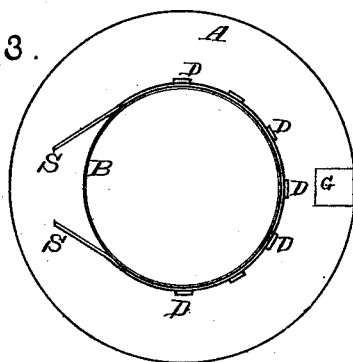


FIG. 4.



ATTEST:

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ENOCH WOODS, OF ENGLEWOOD, ILLINOIS.

IMPROVEMENT IN BAG-HOLDERS.

Specification forming part of Letters Patent No. **191,741**, dated June 5, 1877; application filed March 24, 1877.

To all whom it may concern:

Be it known that I, ENOCH WOODS, of Englewood, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bag-Holders, of which the following is a specification:

The present invention relates to an improvement in devices for holding and filling bags, and it is especially designed for filling bags from cars, wagons, and in fields from thrashers, and in feed-houses. It consists of a suitable hopper, which is funnel-shaped, and terminates at its lower end in a cylindrical hoop, to which is affixed a bag-holder consisting of hoop-iron, with protuberances formed on its periphery of that part which is secured to the bottom of the hopper. The ends of this hoop or band iron project out some little distance from the cylindrical hoop which supports it, and the upper edges of these ends so projecting out are cut away on their upper edges somewhat in the form of an "ogee," and are corrugated to hold the bag or sack in place after it has been placed on the holder, above the projections thereon. The hopper is readily attachable and detachable from headed bolts or screws, as the whole is to be hereinafter fully described and shown.

In the drawings, Figure 1 is an elevation of my improvement in bag-holders, represented as hung to a vertical support, a bag being in position as when being filled. Fig. 2 is an elevation with a portion of the hopper broken away to show the inside thereof. Fig. 3 is an inverted bottom view of Fig. 2. Fig. 4 is an enlarged view of the hopper-fastener detached from the hopper.

A represents a hopper, which is made of galvanized iron, and of such size at the bottom as will be smaller than the mouth of a bag or sack. To this hopper is fastened, by ordinary means, a cylindrical hoop, B, of the width of about one inch. The holder C consists of a strip of band or hoop iron, which has formed on its periphery protuberances or projections D, of such height as to form a suitable support for a bag or sack when adjusted as hereinafter described, and as shown at Fig. 1. The ends of this holder C project out from the part B, as shown, and their top parts are cut away, somewhat in ogee form,

and are provided with blunt serrations or corrugations, so as not to tear a bag or sack. The projections D are formed by striking up the band-iron by a swage or dies, and they should also have blunt apexes, so as not to injure a bag.

The fastening of the bag is as follows: The hopper being in position as shown in Fig. 1, the mouth or hem is placed above the projections D, and then drawn to the front and down over the projecting ends S. In this position it will hang when being filled without becoming detached; in fact, no ordinary force will detach the sack or bag until that part of the mouth brought over the projection S is removed, when the bag will loosen its hold so as to be removed without unhitching anything. This is a great advantage in handling and filling bags, as no time but the instant is required to handle or detach the bag, and under no circumstances is there any lifting of a bag required, no matter how short it may be.

The fastener G, as shown at Figs. 2 and 4, is provided with a slot at each end for attaching the hopper to a wagon-box, a car, side of a building, or to a stake in the ground, as when the device is used in sacking grain in a field.

If headed nails or screws be used to hold the fastener G, the latter, as the slots *m m* are open at their outer ends, may be first locked under the upper screw and then raised far enough to slide back on the lower screw without losing its hold on the upper screw.

Screws may be placed in a support at such heights as accommodate the device to different lengths of bags.

I claim—

A bag-holder which consists of a strip of thin sheet metal, C, provided on its periphery with a series of projections, D, and reduced serrated ends S S, combined with the lower end of hopper A, so that the serrated ends project outward to admit a bag or sack to be placed above projections D and fastened to the serrated ends S S, as and for the purpose set forth.

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Witnesses:

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