

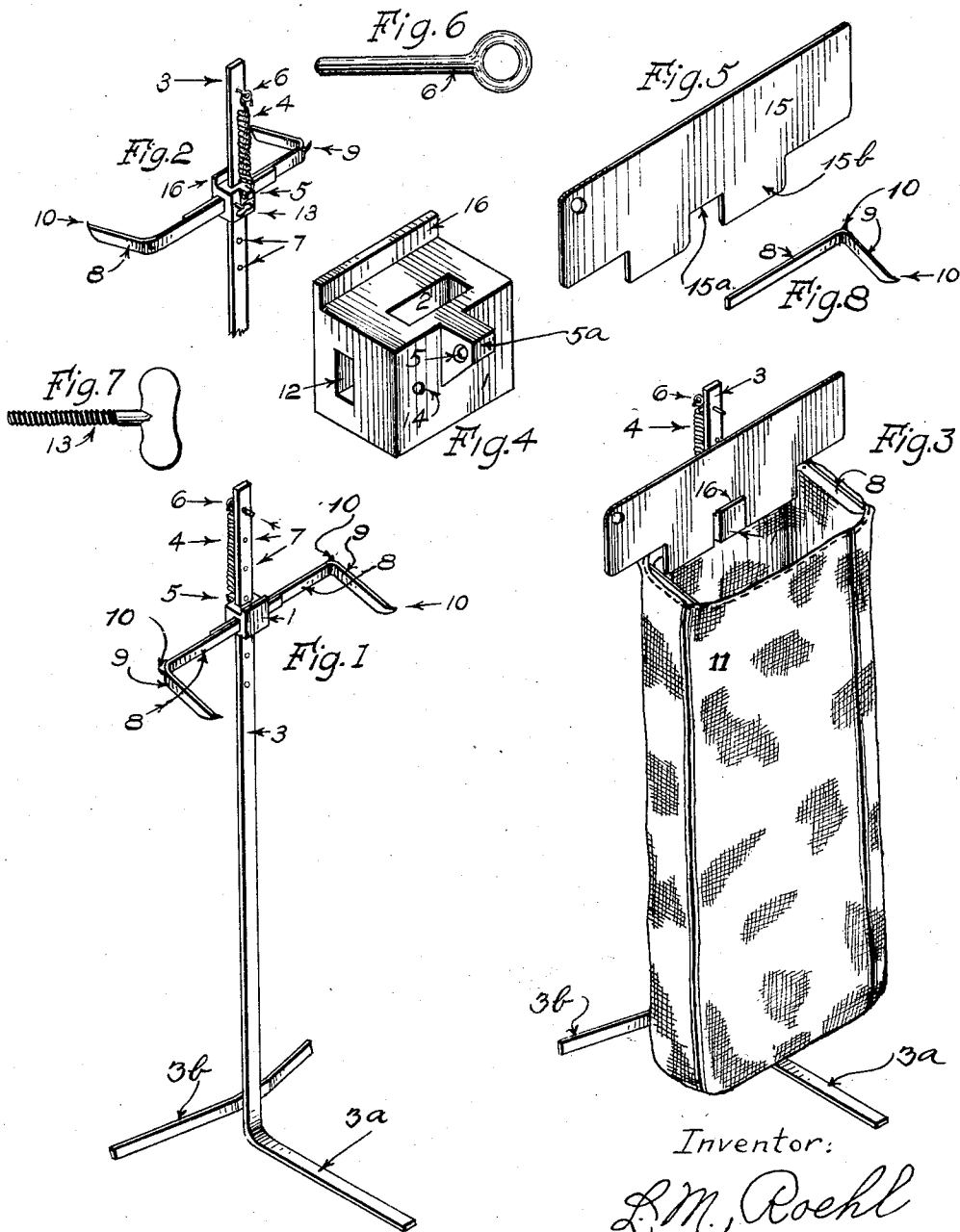
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BAG HOLDER

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BAG HOLDER

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This invention relates to certain new and useful improvements in bag holders and while capable of use in various connections, it is primarily intended for use in farming occupations and is intended to hold the bag in an upright position with the mouth fully extended to facilitate filling, the primary objects of the invention being to provide a spring support for the bag which is automatically lowered during the filling operation by weight of material placed therein and insuring a more complete filling of the bag.

A further object of the invention is to provide a bag holder of the above type wherein the spring support is adjustable for accommodating bags of different lengths so that when filled, the same will be lowered upon a base support.

Another object of the invention is to provide a bag holder wherein the bag supporting arms for the bag mouth are adjustable to bags of different diameters for holding the mouth thereof completely opened and further, to provide a baffle board located at the rear side of the bag mouth and projecting above the bag to guide the entry of material into the bag.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:

Figure 1 is a perspective view of the bag holder frame or stand with the bag and baffle board removed;

Figure 2 is a fragmentary rear perspective view of the upper end of the bag holder or stand showing the spring support for the bag holding arms;

Figure 3 is a perspective view of the bag holder with the bag and baffle board in position;

Figure 4 is a perspective view of the vertically sliding block on the bag holder stand that is spring supported and with which the bag holding arms are associated;

Figure 5 is a perspective view of the baffle board;

Figure 6 is a side elevational view of the eye bolt to which the upper end of the suspension spring is attached and which is adapted to be inserted in desired openings in the bag holder stand;

Figure 7 is a side elevational view of the thumb screw for tightening and holding in adjusted position the bag holding arms; and

Figure 8 is a perspective view of one of the bag holding arms.

The bag holder comprises a stand including a vertical post 3 bent at its lower end to provide a foot 3a to which is attached an angle brace 3b for supporting the post 3 in a vertical position as shown in Figure 1. A block 1 is vertically slidable upon the post 3 and is provided with a vertical rectangular opening 2 therein to receive the post. The block 1 is suspended on the post 3 by the coil spring 4, the lower end of the coil spring being secured in the opening side in the block offset 5a upon the rear side of the block as shown in Figure 4. The eye-bolt 6 shown in Figure 6 has the upper end of the coil spring 4 connected to the eye-end thereof, and said eye-bolt 6 is selectively positioned in openings 7 provided in the post 3 adjacent its upper end, for varying the initial position of the block 1 upon the post 3 for the support of bags of different lengths.

A pair of bag supporting arms 8 is adjustably carried by the block 1, the arms 8 being placed in overlapping relation and inserted in the horizontal opening 12 extending through the block. Each arm 8 is angularly bent at its outer end to provide a right-angular extension 9, and each angle bend of the arm 8 and terminal outer end of the arm extension 9 is provided with a hook 10 to grip the bag 11 for holding the same in suspended and open position as shown in Figure 3. The arms 8 are held in adjusted positions by the thumb screw 13 shown in detail in Figure 7 threaded through the drilled hole 14 in the block 1 to the side of the vertical opening 2 with the inner end of the thumb screw 13 engaging the overlapped ends of the arms 8 as will at once be obvious from an inspection

of Figures 2 and 4. The open end of the bag 11 is placed around the bag holding arms 8 and the latter are separated for completely opening the mouth of the bag and at which time the hooks 10 upon the arms pierce the mouth end of the bag for securely holding the same in suspended position. The baffle board 15 shown in detail in Figure 5 is provided for guiding the material into the bag, the lower edge of the baffle board 15 being recessed as at 15a to rest upon the upper face of the block 1 and defining depending legs 15b disposed at opposite sides of the block, the latter having a forward ledge 16 against which the baffle board 15 rests as shown in Figure 3.

The eye-bolt 6 is set into the desired opening 7 so that the bag 11 when mounted upon the arms 8 will be suspended above the floor line, the spring 4 resiliently supporting the block 1, arms 8 and bag 11 carried thereby. The baffle board 15 directs material into the bag 11 and prevents scattering of the material during the act of filling the bag. As the bag becomes filled, the same lowers against the tension of the spring 4 and may finally rest upon the floor or other support upon which the holder is mounted.

While there is herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:—

1. In a bag holder, a standard, a block having an opening therein received on the standard and vertically slidable thereon, a spring support for the block comprising a spring attached at its lower end to the block, a bolt attached to the upper end of the spring and the upper end of the standard having vertically spaced openings therein for selective reception of the bolt to accommodate the mounting of bags of different lengths, bag supporting arms slidable through the block, a screw threaded into the block engaging the arms to hold them in adjusted position, the outer ends of the arms being angularly bent and spurs on the bent ends of the arms to engage and support a bag, and a baffle board loosely mounted on the block and movable therewith.

2. In a bag holder, a standard, a block having an opening therein received on the standard and vertically slidable thereon, a spring support for the block comprising a spring attached at its lower end to the block, a bolt attached to the upper end of the spring and the upper end of the standard having vertically spaced openings therein for selective reception of the bolt to accommodate the mounting of bags of different lengths, bag supporting arms slidable through the block, a screw threaded into the block engaging the

arms to hold them in adjusted position, the outer ends of the arms being angularly bent and spurs on the bent ends of the arms to engage and support a bag, a ledge on the forward edge of the block and a baffle board loosely mounted on the block inwardly of the ledge and movable therewith.

3. In a bag holder, a standard, a block having an opening therein received on the standard and vertically slidable thereon, a spring support for the block comprising a spring attached at its lower end to the block, a bolt attached to the upper end of the spring and the upper end of the standard having vertically spaced openings therein for selective reception of the bolt to accommodate the mounting of bags of different lengths, bag supporting arms slidable through the block, a screw threaded into the block engaging the arms to hold them in adjusted position, the outer ends of the arms being angularly bent and spurs on the bent ends of the arms to engage and support a bag, a ledge on the forward edge of the block and a baffle board loosely mounted on the block inwardly of the ledge and movable therewith, and the lower edge of the board being centrally notched to receive the block and have depending legs at opposite sides of the block, to hold the baffle board against lateral shifting movement.

In testimony whereof I affix my signature.

LOUIS M. ROEHL.