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COMBINATION SCOOP AND SACK FILLER.

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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

Fig. 7.

Fig. 8.

Fig. 9.

Fig. 10.

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COMBINATION SCOOP AND SACK-FILLER.

UNITED STATES PATENT OFFICE.

1,182,412.

To all whom it may concern:

Be it known that I, ALBERT H. OLESBERG, a subject of the King of Great Britain, residing at Bawlf, in the Province of Alberta and Dominion of Canada, have invented certain new and useful Improvements in Combination Scoops and Sack-Fillers, of which the following is a specification.

This invention relates to scoops and more particularly to a combination scoop and sack filler, the sack filler being formed by a simple and efficient means which will be more fully hereinafter described.

An object of this invention is a peculiar formation of the rear end of the holder which has the sack holding means arranged within the plane of the scoop so as to eliminate the projecting of sharp points or edges from the same.

Other objects as well as the nature, characteristic features and scope of my invention will be more readily understood from the following description taken in connection with the accompanying drawings and pointed out in the claims forming a part of this specification.

Referring to the drawings:—Figure 1 is a perspective view of my improved device; Fig. 2 is a side elevation of the same showing a sack secured to the end thereof, the sack being shown in dotted lines; Fig. 3 is a rear elevation with the detachable closure in place therein; Fig. 4 is a detail view of the locking slot; Fig. 5 is a detail fragmentary view of the reduced end showing the slots therein; Fig. 6 is a detail fragmentary view of the closure showing the locking hook formed thereon; Fig. 7 is a detail fragmentary view of the closure showing the slot engaging lugs formed thereon; Fig. 8 is a detail enlarged fragmentary view of the reduced end showing the arrangement of one of the hooks thereon. Fig. 9 is a detail enlarged fragmentary view illustrating the manner in which the closure is locked from movement therein, and Fig. 10 is a sectional view taken on the line 10—10 of Fig. 9.

It has been well known in this art to provide combination scoop and sack fillers and it is the principal object of this invention to provide a device of this character which will eliminate certain undesirable features heretofore appearing.

In the drawings wherein is shown the preferred form of my invention the numeral 10 represents a substantially semi-cylindrical member which comprises a base 11 having the sides 12 thereof bent upwardly in the arc of the circle and secured at the top so as to form the semi-circle. The forward end of the member 10 has the top portion thereof cut away from approximately midway the ends thereof as indicated at 13, which facilitates the operation of the same when the device is used in the capacity of a scoop. The rear end of the member 10 is reduced as indicated at 14 and shown to advantage in Fig. 2. The reduced portion 14 forms a perfect circle as shown to advantage in Fig. 3 and not a semi-circle in accordance with the rest of the scoop. Arranged on the outer periphery of the reduced portion 14 are a plurality of hooks 15 which lie within the plane of the member 10 so as to prevent the hooks from coming in contact with the operator when the device is used as a scoop and further facilitates the scooping or shoveling of grain or the like from a floor, which has heretofore been undesirable in devices of this character, in view of the fact that the hooks which are adapted to engage the open end of a sack, usually catch in the floor from which the grain is being scooped and thereby prevents the free operation of the same.

The reduced portion 14 is further provided with a plurality of slots 16 which are adapted for the reception of the lugs 17 which are formed on the peripheral edge of the detachable closure 18. A slot 19 is likewise provided in the reduced portion 14 which has the one end thereof open and leading to the outer edge thereof so as to form a way, which is shown to advantage in Fig. 4, and is adapted for the reception of the locking hook 20 which is shown to advantage in Fig. 6. The said locking hook 20 is provided by forming a lug on the peripheral edge of the detachable closure and turning the same over upon itself as is shown in the drawings. Extending at an inclination over the forward end of the scoop is a bail or handle 21 which facilitates the movement of the scoop in a forward direction when the same is used in this capacity. A second handle or bail 22 is provided which is arranged in proximity to the rear end of the scoop and likewise aids in the handling of the scoop when the same
is used in this capacity and is also used to advantage when the device is fulfilling the capacity of a sack filler, serving as a support for the same.

In operation, when the device is to be used as a scoop the detachable end 18 is disposed in the reduced portion 14 having the lugs 17 thereof engaging in the slots 16, and the locking hook 20 engaging in the slot 19. The bill or finger 23 of the hook 20 is flexed to engage the body of the latter, and the hook then passed through the way 24 into the slot 19, being held from displacement in the latter in view of the inherent resiliency of the hook, since as soon as the slot 19 is reached, the bill will be automatically flexed outwardly to engage one of the lateral walls of the slot. Furthermore, a shoulder 25 is formed at the juncture of the way 19 and slot 24, which will prevent removal of the hook from the slot until pressure is exerted on the bill or finger 23, to permit the hook passing through the way 24. When the device is to be used in the capacity of a sack filler, the closure 18 is detached from the rear end of the member 10 and the hooks 15 engaged in the open end of a sack and the contents poured through the forward end thereof.

The greatest of stress is to be laid on the fact that the sack engaging hooks are disposed within the plane of the semi-cylindrical member 10 for the reasons heretofore described in the specification.

It will be understood that the above description and accompanying drawings comprehend only the general and preferred embodiment of my invention and that various minor changes in details of construction, proportion and arrangement of the parts may be made within the scope of the appended claims and without sacrificing any of the advantages of my invention.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. A device as set forth including a substantially semi-cylindrical member, one end thereof being reduced, said reduced end being provided with a plurality of slots, the one of said slots having an open end and a way leading from said open end, a closure adapted to be disposed in said reduced end, a plurality of lugs formed on said closure, the one of said lugs being elongated and bent over on itself, said lug adapted for engagement in said slots, the elongated lug adapted for engagement in said open end slot substantially as specified.

2. A device as set forth including a receptacle, one end of which is reduced and provided with a plurality of elongated slots, one of which has a way leading therefrom to the free terminal of the reduced end, a shoulder arranged at the jointure of the slotted way, a closure for detachable engagement with said reduced end, lugs extending from the closure to engage said slots, one of said lugs being elongated and reversely folded on itself to provide a hook for engagement in said open end slot, the bill of said hook being flexed inwardly when passing through said way and adapted to expand when reaching the slot to preclude possibility of the closure being accidentally displaced.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT H. OLESBERG.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D.C."