No. 741,640. PATENTED OCT. 20, 1903.

L. ERNST.

SCOOP.

APPLICATION FILED AUG. 30, 1902.

NO MODEL.

Fig. 1.

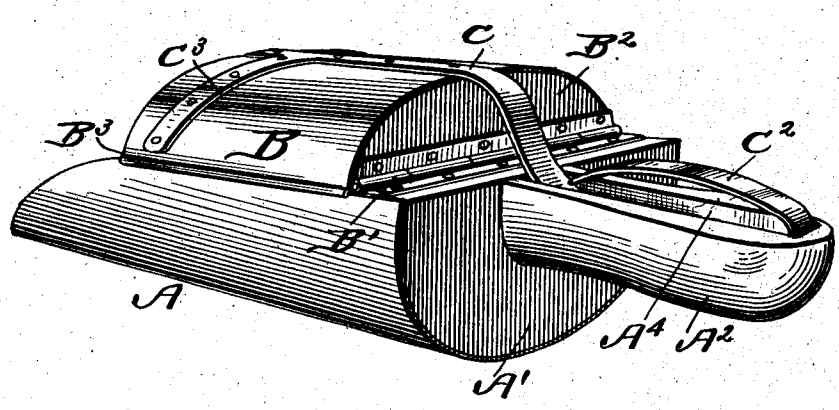


Fig. 2.

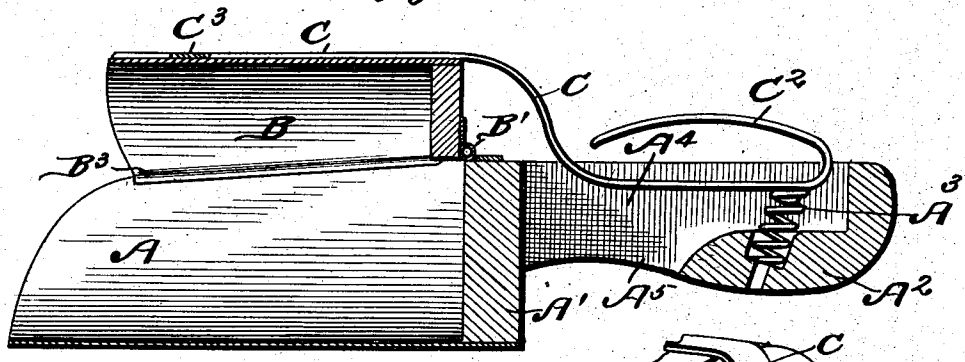


Fig. 3.

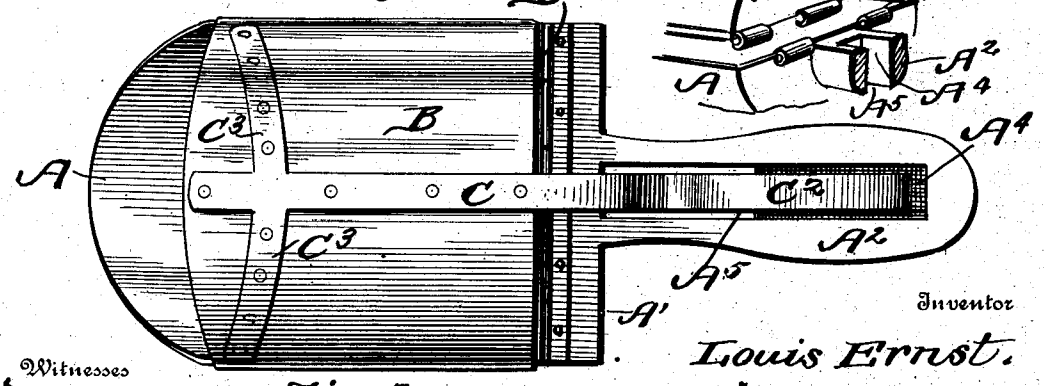
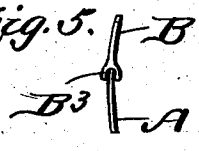


Fig. 4.

Fig. 5.



Witnesses

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No. 741,640. Patented October 20, 1903.

UNITED STATES PATENT OFFICE.

LOUIS ERNST, OF READING, OHIO, ASSIGNOR OF ONE-THIRD TO JOSEPH BRINKMANN, OF READING, OHIO.

SCOOP.

SPECIFICATION forming part of Letters Patent No. 741,640, dated October 20, 1903.

Application filed August 30, 1902. Serial No. 121,641. (No model.)

To all whom it may concern:

Be it known that I, LOUIS ERNST, a citizen of the United States, residing at Reading, in the county of Hamilton and State of Ohio, have invented a new and useful Scoop, of which the following is a specification.

My invention is an improved scoop for grocers and other dealers in such articles as are usually handled by scoops, and is especially adapted for use with paper bags and sacks.

The main object of my invention is to produce a scoop with which commodities—such as flour, sugar, grain, &c.—can be easily poured into bags and sacks without spilling a portion of the article handled on the floor or counter.

In the accompanying drawings, Figure 1 is a perspective view of my improved scoop. Fig. 2 is a longitudinal elevation partly in section. Fig. 3 is a plan view. Fig. 4 is a slight modification. Fig. 5 is a detail view showing the groove in the side edges of the upper scoop.

In the drawings, A represents a scoop of the usual outline, its edges being sharp, while A′ is the back of the scoop, being shown as integral with the handle A^2, which may be of wood or any preferred material. An upwardly-open trough A^4 extends longitudinally along the upper surface of the handle, the bottom of the trough being recessed adjacent its rear end, and a spring A^3 is located therein. A cover in the form of an inverted scoop B is hinged at B′ to the back of the lower scoop, one leaf of the hinge being secured to the back B^2 of the cover. Along the sides the edges of this cover are thickened and grooved, as shown at B^3, Fig. 5, secured centrally of the cover, and extending rearwardly and resting on the spring A^3 is a metal strip C, bent back upon itself adjacent the rear of the spring to form a supplemental handle C^2 and having integral laterally-extending arms C^3 adjacent its forward end, which serve as braces to strengthen the cover. Adjacent the scoop A′ the handle is vertically slotted at A^5, the slot communicating with the recess A^4, and any article—such as sugar, flour, and the like—which might fall into the recess A^4 will pass out through said slot back into the barrel. In Fig. 4 I have shown a modified form of hinging the parts where the back is integral with the scoop and is made, for example, of tin.

The operation of my device is obvious. Pressure of the thumb upon the supplemental handle C^2 will depress the spring and lift the cover, and the scoop is used in the usual manner. As soon as full the thumb is removed and the spring closes the cover, which by reason of its grooved edges fits closely over the corresponding edges of the scoop, and the scoop can be inserted in the mouth of a bag or sack without danger of spilling the article handled, or the scoop can be carried across a store-room without risk of the sugar, flour, or other commodity running over the edge and falling on the floor. The construction shown in Fig. 5 not only prevents the article handled from spilling over the edge of the scoop, but also prevents same from clinging to the outer side of the scoop or from clogging same, as would be the case were the groove on the scoop proper. I have mentioned the handle as being grooved. In practice I prefer to extend the groove entirely through the handle, converting it during a portion of its length into a slot A^5 in order to prevent sugar, &c., from accumulating in the groove and interfering with the operation of the supplemental handle. The scoop, however, can be made without this slot, if desired.

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

1. The combination with a scoop, of a hinged cover having grooved side edges adapted to fit over the side edges of the scoop.

2. The combination with a scoop, a handle slotted along its upper surface, a hinged cover having thickened and grooved side edges, a supplemental handle extending from the cover, and a spring between the two handles.

3. The combination with a scoop, a handle

secured thereto said handle being longitudinally recessed along its upper surface and slotted adjacent the scoop, and having a socket formed in the rear of the slotted portion, an arched cover hinged to said scoop, a handle extending rearwardly from said cover above the handle secured to the scoop, and a spring seated in the socket of the handle of the scoop, and secured at its upper end to the handle of the cover.

LOUIS ERNST.

Witnesses:
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