(No Model.)

S. H. KERFOOT.

Scoop.

No. 237,387. Patented Feb. 8, 1881.

Fig. 1.

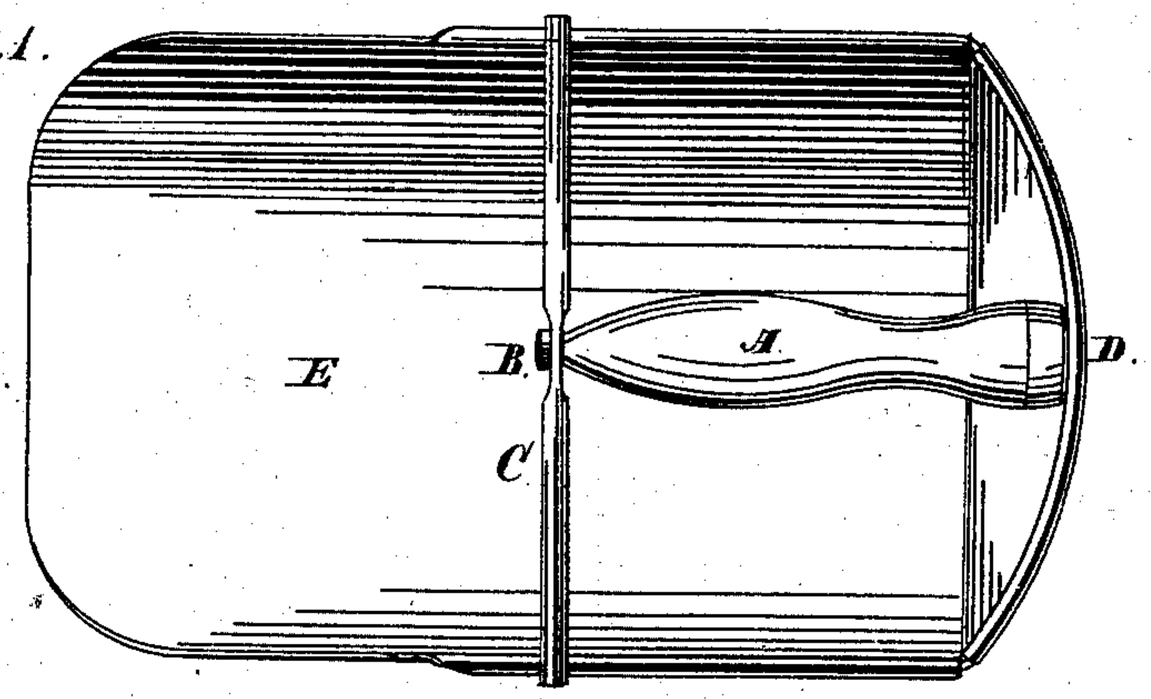


Fig. 2.

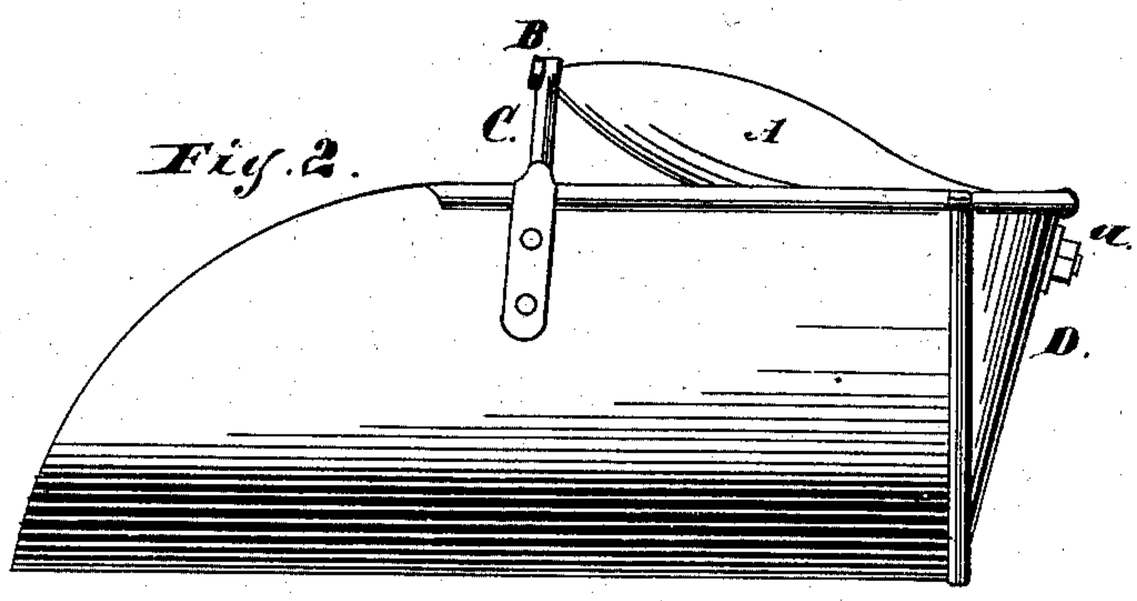
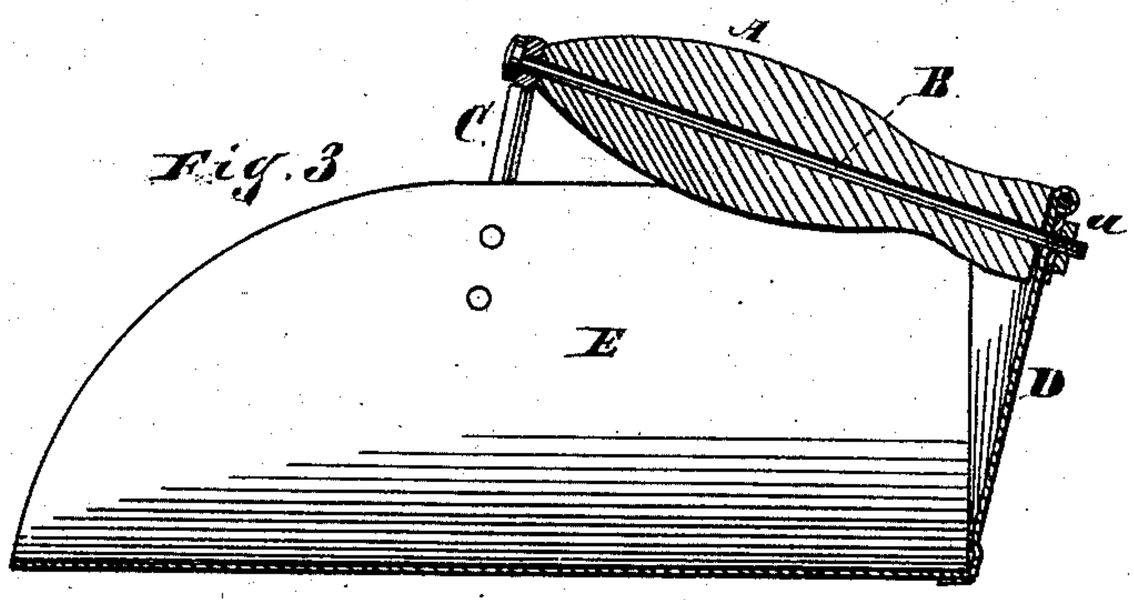


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

S. HENRY KERFOOT, OF CHICAGO, ILLINOIS.

SCOOP.

SPECIFICATION forming part of Letters Patent No. 237,387, dated February 8, 1881.

Application filed December 27, 1880. (No model.)

To all whom it may concern:

Be it known that I, S. HENRY KERFOOT, residing at Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Scoops, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a top or plan view; Fig. 2, a side elevation; Fig. 3, a vertical longitudinal section.

This invention relates to scoops for handling different articles or materials for various purposes by dealers and others, and has for its object to attach the handle to the bowl or body of the scoop and attain the advantage of leverage in either direction in filling and withdrawing the scoop or discharging its contents, and have the attachment strong and secure, so that the handle will not be liable to tear out or become detached in use; and its nature consists in providing a handle for the scoop, located over the rear portion of the body or bowl thereof, and attached at its front end to a stationary transverse bail or arch secured to the sides of the body or bowl, and having its rear end secured to the head of the scoop or otherwise at a point to give the handle an upward inclination toward the front.

In the drawings, A represents the handle; B, the longitudinal rod or support passing through the handle, and forming a part thereof in the construction shown; C, the transverse bail or arch; D, the head of the scoop; E, the body or bowl of the scoop; *a*, the set-nut for securing the rod B to the head D.

The handle A may be made of wood or other material, and may have an exterior of the form shown, or of some other form adapted to be grasped by and furnish a firm hold for the hand. As shown, this handle has a central longitudinal opening, through which a rod or support, B, passes, which rod is secured at its front end, by riveting or otherwise, at the center of a transverse arch or bail, C, and its rear end passes through the head D and is screw-threaded, and receives a nut, *a*, by means of which it is attached to the head at a point below the attachment of the front end.

The arch or bail C may be made of iron or other suitable material that will furnish a firm support for the handle. This arch or bail is located at or near the center of the body or bowl of the scoop longitudinally, and passes transversely over the body or bowl, its ends being secured to the sides of the body or bowl by rivets or otherwise, and it is curved or otherwise formed, so that in passing over the bowl or body it will project above the plane of the top of the scoop and leave a clear passage for the article or material beneath it.

The head D and body or bowl E of the scoop may be of any of the usual and well-known forms of construction.

The rod B can be dispensed with and other means used for securing the handle in place. The front end might be secured to the arch or bail by means of a strap, clasp, screw, rivet, or otherwise, and its rear end secured to the head in some suitable manner, and this end might be secured to a bar or support running across the scoop at the rear end and corresponding to the arch or bail, except that it should be located in a lower plane, so as to give the handle an upward inclination toward the front.

The handle might be made of metal so formed as to present a suitable shape to be grasped and retained by the hand.

By locating the arch or bail C at or near the center of the scoop longitudinally and giving the handle an upward inclination toward the front, it will be seen that the center of gravity can be thrown either forward or back of the arch or bail by a slight pressure on the handle to incline the scoop in either direction, as required, and that by giving the handle an upward inclination, as described, the leverage will be in the direction in which the pressure is applied by reason of such inclination, the tendency of which is to throw the leverage forward or back of the center longitudinally of the handle. By thus arranging and supporting the handle in relation to the body or bowl of the scoop the handling of the scoop is greatly facilitated both in filling and discharging, as it can be readily tipped or inclined in either direction, as required, for filling or discharging, and when full it can be carried more evenly and with less trouble by rea-

son of the location of the handle partly over the body or bowl.

Locating the arch or bail C at or near the center longitudinally of the scoop brings the center of gravity at the same point and midway of the body or bowl E; but this arch might be located farther forward or at the rear of the position shown and still retain all the advantages, the center of gravity in such case being changed accordingly, but in nowise affecting the results arising from an inclined handle located over the bowl or body.

What I claim as new, and desire to secure by Letters Patent, is as follows:

A scoop having its handle located over the body or bowl thereof, and supported at its front end by an arch or bail arranged to give the handle an upward inclination in a forward direction, substantially as and for the purposes specified.

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