

(No Model.)

E. H. WHITNEY.
SIFTING SCOOP.

No. 500,542.

Patented June 27, 1893.

FIG. 1.

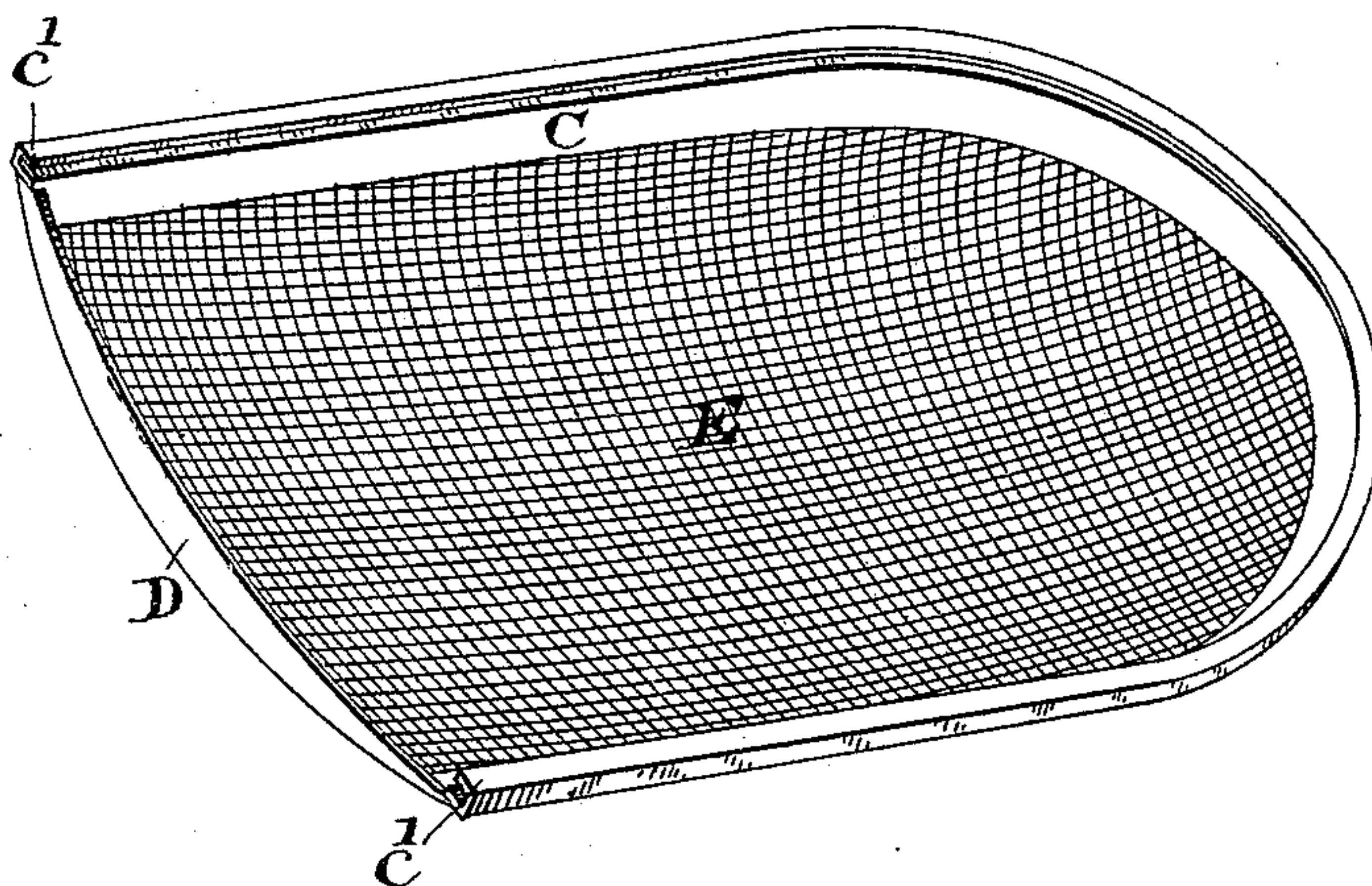
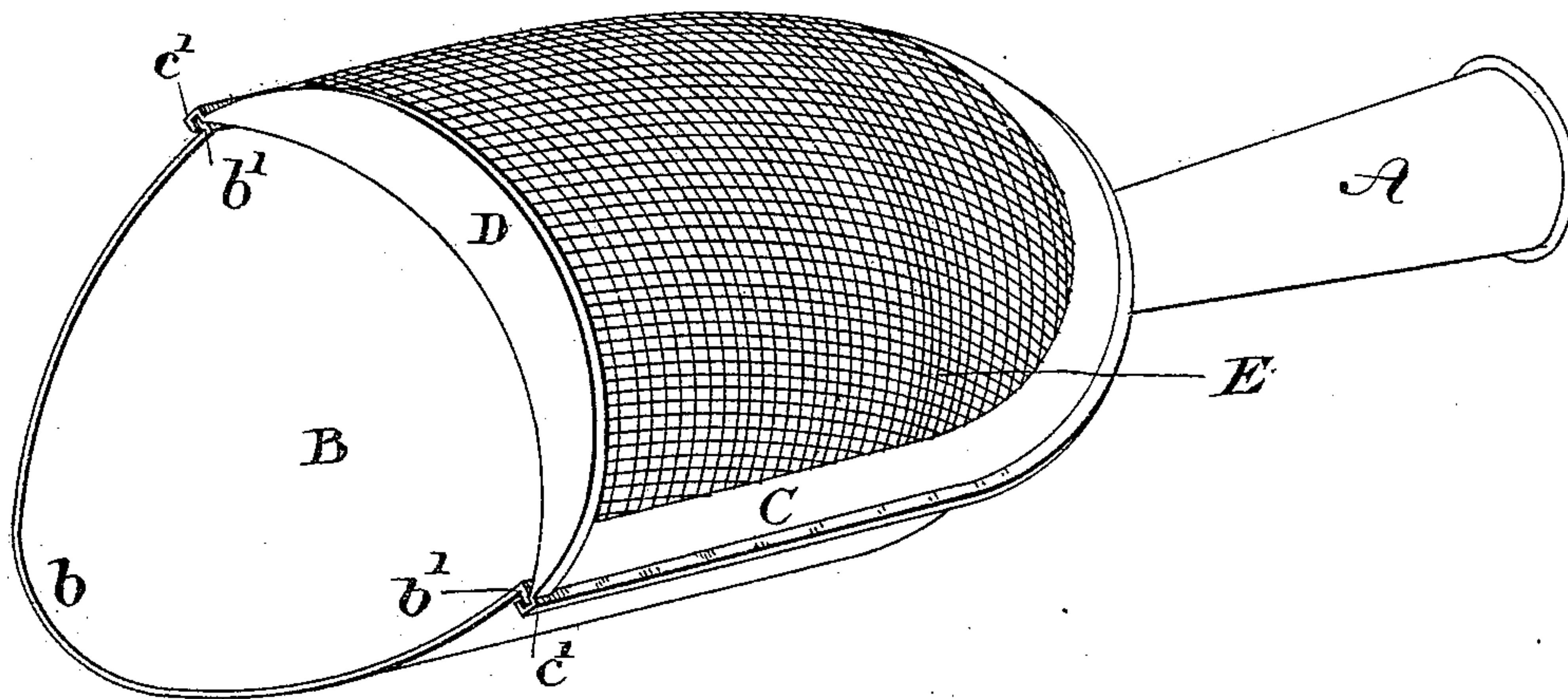


FIG. 2.

WITNESSES.

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EDWARD H. WHITNEY, OF CAMBRIDGE, MASSACHUSETTS.

SIFTING-SCOOP.

SPECIFICATION forming part of Letters Patent No. 500,542, dated June 27, 1893.

Application filed October 3, 1892. Serial No. 447,602. (No model.)

To all whom it may concern:

Be it known that I, EDWARD H. WHITNEY, of Cambridge, in the county of Middlesex, in the State of Massachusetts, have invented a new and useful Improvement in Sifting-Scoops, of which the following, reference being had to the accompanying drawings, is a full, clear, and exact description, sufficient to enable others skilled in the art make and use my invention.

In the drawings,—Figure 1 is a perspective of the scoop as assembled, and Fig. 2 is a perspective of the hood of said scoop.

The sifting scoop is composed of three principal parts,—the handle, the body, and the hood.

The body B is of ordinary form and is represented as made of a single piece of metal semi-cylindrical in cross-section, having its lower forward edge projected forward as the lip *b*. At the part adjacent to the handle the body B is swaged into the form of a segment of a sphere. The handle A is formed in the usual way and is attached by soldering or riveting or both to the spheroidal part of the body B. It projects from said body in a line nearly parallel to the median line of the semi-cylindrical part of the body B. The upper edge of the cylindro-spheroidal body B is turned outward into a flange marked *b'*, which serves as a "way" for the attachment of the attaching groove on the edge of the sifting hood. The sifting hood is formed of a rim C of sheet metal which rim is flanged outward as shown at C', and this flange is then turned downward and inward leaving a space sufficient for the insertion of the flange *b'* of the body B. The front of the sifting hood consists of a crescent piece of sheet metal firmly attached to the rim C and of no great depth as compared with the opening at the end of the body B. Firmly attached to the rim C all around and to the upper part of the shield D is a mesh of wire gauze or other sifting material, which is lettered E. This hood consisting of rim C with its flanges, of crescent-shaped guard D, and of sifting material E is formed into a cylindro-spheroidal shape, preferably for appearance, of somewhat larger radius than the radius of the cylindro-spheroidal body, so that instead of being a semi-cylinder in cross-section at its front end as the body B

is, it is only a segment of a cylinder. This, however, is not an essential part of the invention but is a recommendation to the manufacturer in regard to the appearance of the article and it also would probably be a more desirable article for the housekeeper than one in which the cross-section of the completed article was more nearly in the symmetrical form of a complete cylinder. These three parts,—the handle, the body, and the sifting hood might be put together and soldered in the factory, and in such case the handle might be more inclined with the body than I have recommended, but the packing of such articles for transportation would be expensive and they would take up considerable room. Again, the three parts might be sent out separate and the handle riveted or otherwise fastened on by the local vender. This, however, would require him to employ a riveting apparatus or a local tinman to assemble the parts. I have preferred therefore to prescribe a form of construction in which the handles can be placed within the body of the scoop, and the scoops packed more or less within each other, or nested, as it is called, and the hoods also nested so as to occupy but small room in transportation and then to be readily slid together on arriving at their destination, either by the local vender or even by the purchaser.

A combined flour scoop and sifter has long been a desideratum in the family, and many attempts have been made in this direction, most if not all of which have involved the abandonment of the convenient form of scoop with which everybody has been hitherto familiar, and, although some of these sifters which are substituted for scoops have held the market, they have not superseded the scoop but have been rather auxiliaries to it.

The present contrivance gives a complete scoop with a sifter combined therewith to be called into operation as a sifter and in the usual way of working a sifter, by shaking, which sifter is actually a part of the scoop itself and thereby requires for manipulation only the exertion of turning it over instead of emptying the scoop into another article and laying down the scoop and picking up the other article.

It is obvious that the bead *b'* might be turned in, instead of being turned out, and it

is also obvious that it could be given, whether it were turned in or turned out, a return bend up and in, or up and out upon its edge so that the double flange should be upon the edge of the body instead of on the edge of the hood. 5 This construction would be of course an exact mechanical equivalent for the construction shown in the drawings. There should be a double flange on either the body or the hood to prevent vertical play, and it is quite immaterial as a matter of invention on which of the two, the groove, and on which of the two, the tenon, is placed. As a matter of convenience of manufacture, however, it is 10 believed that the tenon or projecting part should be on the edge of the body and the hollow member on the lower edge of the hood.

I claim as my invention and desire to secure by Letters Patent—

20 1. The combined scoop and sifter described, consisting of three parts,—the handle A, and

cylindro-spheroidal body B firmly affixed together, provided on the upper outer edge of the body B with a flange b' , in combination with the sifting hood formed of the rim C 25 provided with the double hollow flange C' , shield D and sifting material E, in combination with each other, substantially as and for the purpose described.

2. The combined scoop and sifter consisting of the body B provided with a flange b' 30 and the sifting hood consisting of perforated material E, shield D and rim C attached thereto and provided with a flange C' , adapted to engage the bead b' and attach the hood and 35 body together substantially as and for the purpose described.

EDWARD H. WHITNEY.

In presence of—

J. M. DOLAN,

F. F. RAYMOND, 2d.