

GEORGE SMITH.

Coal Scuttles.

No. 124,093.

Patented Feb. 27, 1872.

Fig. 1.

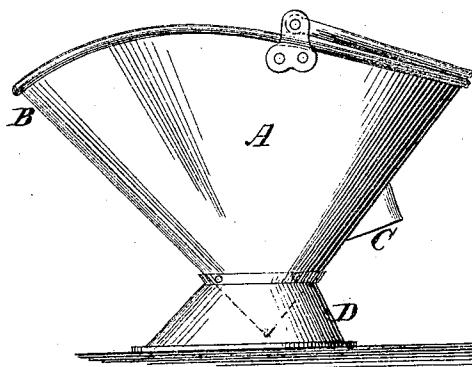


Fig. 2.

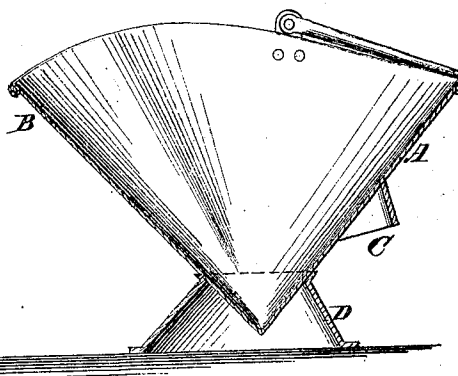
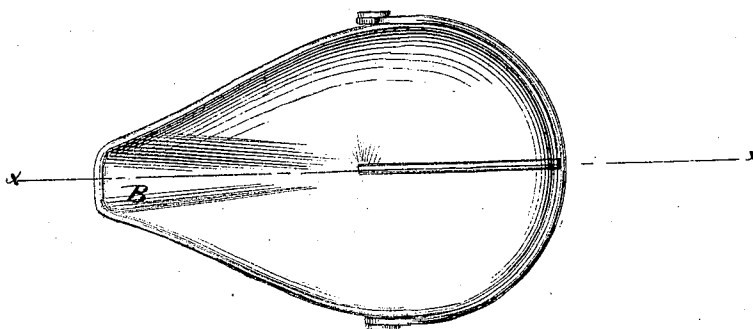


Fig. 3.



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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN COAL-SCUTTLES.

Specification forming part of Letters Patent No. 124,093, dated February 27, 1872.

Specification describing a new and useful Improvement in Coal-Hods, invented by GEORGE SMITH, of Williamsburg, in the county of Kings and State of New York.

The object of this invention is to simplify and cheapen coal-hods or "scuttles," and at the same time render them more convenient for discharging the coal therefrom, more durable, and much easier repaired when injured by wear than coal-hods of ordinary construction; and it consists in the construction of the hod as hereinafter described.

In the accompanying drawing, Figure 1 is an outside view of my improved coal-hod. Fig. 2 is a vertical section taken on the line *x x* of Fig. 3. Fig. 3 is a top view.

Similar letters of reference indicate corresponding parts.

This coal-hod is made mainly of a single piece of sheet metal, and resembles in its outline an inverted hollow cone, the apex of the cone being the bottom and center of the hod. The ordinary horizontal bottom is consequently dispensed with. The top of the hod is contracted on one side to form a delivery-spout, and the bottom of this spout or the delivery side of the hod stands at an angle of about forty-five degrees with a horizontal line. This gives a free and easy delivery of the coal when the hod is slightly tilted. A is the hod-vessel or inverted cone. B is the spout or discharge side of the hod. C is the tilting-handle on the back of the hod. D is the base, which is a

truncated cone, oval in form, into which the body A is fitted and fastened by rivets, as seen in Fig. 2. The bottom may form a point, as seen in the drawing, or nearly a point, with a plug in the center, as indicated in Fig. 1.

In the ordinary coal-hod the bottom is the first to fail and the most difficult to repair. When, from either wear or corrosion, my coal-hod fails, the process of repairing is very simple. A single piece of sheet metal is coiled, fitted, and fastened in the hod, and the work is done.

These hods can be made without stamping or other expensive machinery, by any ordinary workman, and at much less expense than any other hod in the market.

I do not confine myself to the precise form or arrangement of any of the parts described, as variations may be made without departing from my invention.

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

1. The coal-vessel A, constructed, substantially as shown and described, either in a single piece or with a plug or rivet in the center, substantially as shown and described.
2. The base D, in combination with the coal-vessel A, substantially as shown and described.

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