

S. SMITH.
Coal-Scuttle.

No. 210,972.

Patented Dec. 17, 1878.

Fig. 1.

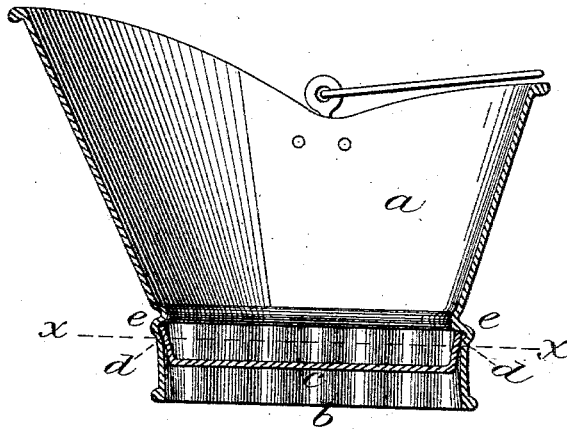
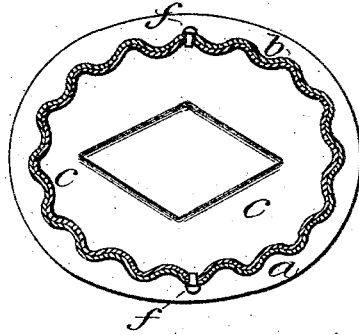


Fig. 2.



Attest:

James H. Hunter.
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UNITED STATES PATENT OFFICE.

SAMUEL SMITH, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN COAL-SCUTTLES.

Specification forming part of Letters Patent No. **210,972**, dated December 17, 1878; application filed November 12, 1878.

To all whom it may concern:

Be it known that I, SAMUEL SMITH, of Brooklyn, in the State of New York, have invented certain new and useful Improvements in Coal-Hods; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the drawing accompanying this specification, and forming part thereof.

Coal-hods have heretofore been constructed with the bottom and base or rim separate from the body, such bottom and base or rim being sometimes made in separate pieces, and sometimes in one piece.

My invention consists in forming the lower portion or foot of a coal-hod, with vertical corrugations, and an annular concavo-convex bead, and the bottom with an upward-projecting vertically-corrugated wall, fitting in the corrugations of the lower portion or foot, and a flange projecting into the bead, whereby the lower part of the hod is re-enforced at the point of its wall, where coal strikes and wears it the most, and the edge of said bottom is protected from the falling coal as the hod is being filled.

In the drawing, Figure 1 shows a hod in vertical central section containing my improvements, and Fig. 2 is a horizontal section taken through the line *x x* of Fig. 1.

a is the body and base or rim struck up out

of one piece of sheet-iron, which is corrugated at its lower portion, *b*. *c* is the bottom, with a flange, *d*, which flange is snapped into the recess of the bead *e* on the inner surface of the body, and then secured by rivets *f f*, &c. This bottom is also struck up out of one piece of sheet-iron, and may be corrugated at time of being so struck up by tools made for that purpose. When corrugated the parts are put together. The corrugated wall of the base fits snugly in the corrugations of the lower portion or foot of the body, thus adding very materially to the strength of the hod.

By constructing the body and base or rim all in one piece, weakness at the base of the hod by reason of the joining of two pieces of metal by double-seaming or otherwise is overcome, and the durability of the hod increased.

I claim—

The coal-hod, having the concavo-convex bead *e*, and vertically-corrugated lower portion or foot, *b*, and the bottom having the upward-projecting vertically-corrugated wall fitting snugly within the said corrugated lower portion or foot, and provided with a flange fitting in the bead of the body, substantially as described.

SAMUEL SMITH.

Witnesses:

JAMES H. HUNTER,
WILLIAM H. LEWIS.