

E. F. O'TOOLE.

COAL-HOD.

No. 191,071.

Patented May 22, 1877.

FIG. 1.

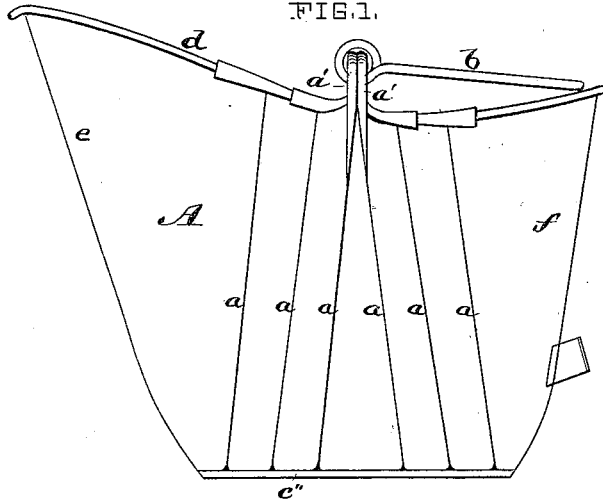


FIG. 2.

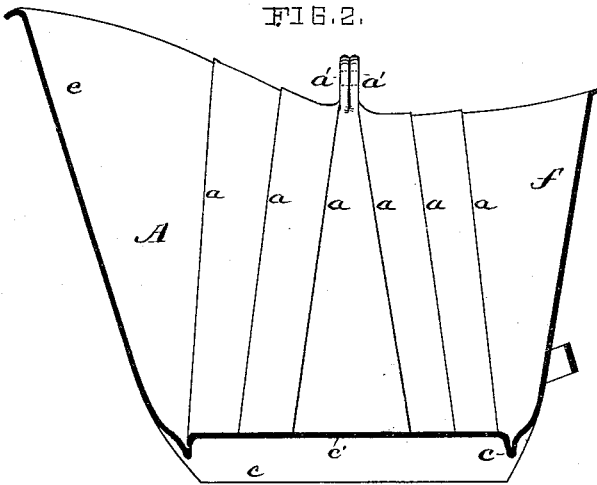


FIG. 3.

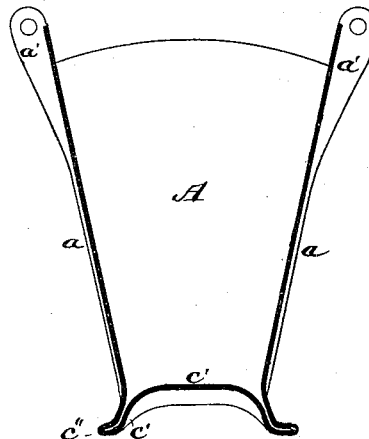
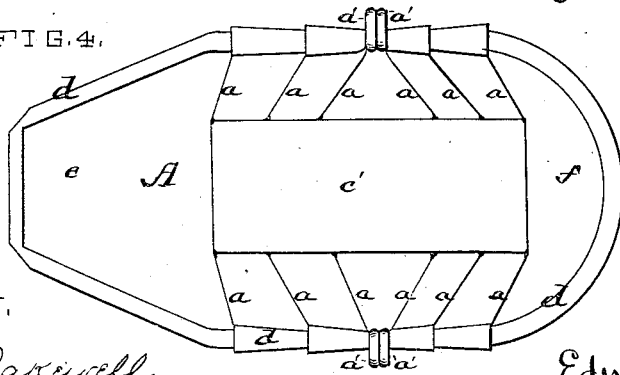


FIG. 4.



ATTEST.

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EDWARD F. O'TOOLE, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN COAL-HODS.

Specification forming part of Letters Patent No. 191,071, dated May 22, 1877; application filed April 16, 1877.

To all whom it may concern:

Be it known that I, EDWARD F. O'TOOLE, a resident of St. Louis, Missouri, have made a new and useful Improvement in Coal-Hods, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, making part of this specification, in which—

Figure 1 is a side elevation of a coal-hod exhibiting my improvement; Fig. 2, a longitudinal vertical section of the same; Fig. 3, a cross vertical section, and Fig. 4 a plan.

Similar letters denote similar parts.

By means of the present improvement the cost of manufacturing a coal-hod is materially cheapened. The construction also is stronger than that of the ordinary hod.

In the drawing, **A** represents my improved hod. It is formed from a single piece of sheet metal. A blank of suitable outline is brought under the action of stamping machinery, and by it forced into the shape substantially as shown. In doing this a series of crimps, *a a*, are formed in both sides of the hod. The crimps begin at the bottom of the hod and widen toward its top. They may either stand out from the body of the hod, or (and as shown) be folded down thereupon. The two, *a' a'*, immediately at the center of the side of the hod are, at their upper ends, preferably turned outward to receive the bail *b*. The

hod, by crimping it at *e*, may be formed with an elevated bottom, *c'*, as shown in Figs. 2 and 3, and, in place of the usual wire at the top of the hod, a flange, *d*, may be turned horizontally outward from the body.

The bottom *c'*, as indicated in Fig. 4, is of a rectangular outline. This enables the hod to be readily pressed into the desired shape. The nose *e* and rear portion *f* of the hod are of the usual form. The lower edge *c''* of the crimp *e* is preferably flattened laterally to furnish a better support.

Any desirable number of crimps or folds, *a a*, can be formed in the sides of the hod, either one or two wide crimps or several narrower ones, as preferred.

I claim—

1. A coal-hod formed of a single piece of sheet metal, having the crimps *a a a*, substantially as described.

2. A coal-hod formed of a single piece of sheet metal, having the crimps *a a a* and *e*, substantially as described.

3. A coal-hod formed of a single piece of sheet metal, having the crimps *a a a* and rectangular bottom *c'*, substantially as described.

Witness my hand.

EDWARD F. O'TOOLE.

Witnesses:

CHAS. D. MOODY,
PAUL BAKEWELL.