

C. F. THOMAS.  
Coal-Hod.

No. 161,577.

Patented March 30, 1875.

Fig. 1.

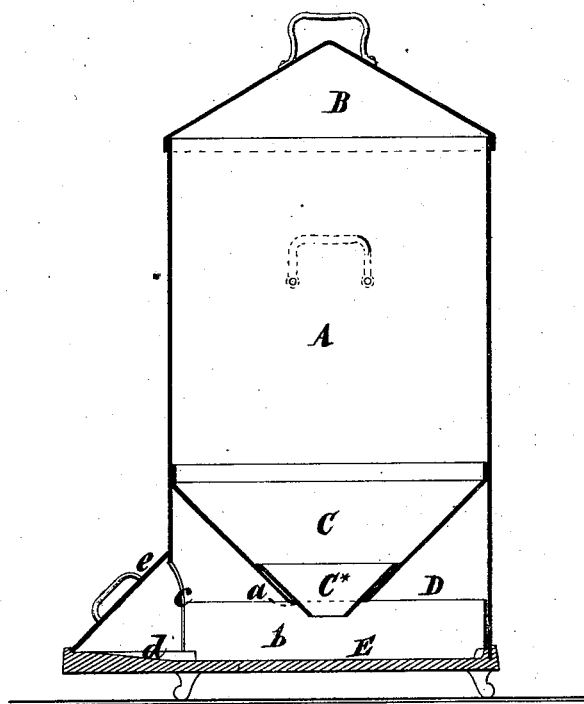


Fig. 2.

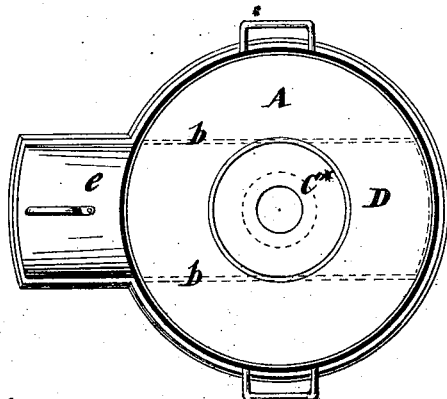
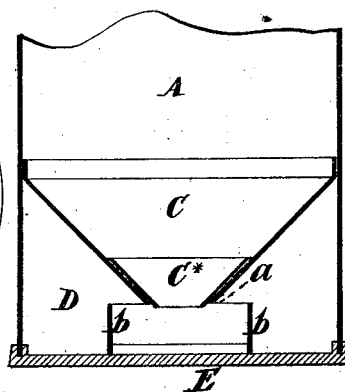


Fig. 3.



Witnesses.

*Ernst Wilhelm*  
*Chas. Wahlen*

Inventor.

*Charles F. Thomas*  
*per*  
*Van Santvoord & Hauff*  
*attys*

# UNITED STATES PATENT OFFICE.

CHARLES F. THOMAS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF HIS  
RIGHT TO HERMAN JOERNS, OF SAME PLACE.

## IMPROVEMENT IN COAL-HODS.

Specification forming part of Letters Patent No. **161,577**, dated March 30, 1875; application filed  
February 13, 1875.

*To all whom it may concern :*

Be it known that I, CHARLES F. THOMAS, of the city, county, and State of New York, have invented a certain new and Improved Coal-Hod, of which the following is a specification :

This invention is illustrated by the accompanying drawings, in which Figure 1 represents a vertical central section in the plane  $x x$ , Fig. 2. Fig. 2 is a horizontal section in the plane  $y y$ , Fig. 1. Fig. 3 is a vertical section in the plane  $z z$ , Fig. 2.

Similar letters indicate corresponding parts.

This invention relates to certain improvements in that class of coal-hods or boxes which heretofore have been constructed of a box-form, within which has been arranged a chute for holding coal, said chute serving to conduct the coal into a chamber beneath, from which the same could be removed, when desired, for use.

The invention consists in constructing the base or bottom plate for supporting a coal-box and its chute with an extension for preventing the coal conducted into the discharge-chamber from falling out upon the floor of the room in which such box or hod is located, and with abutments extending from the rear of such extension transversely across the discharge-chamber in such a manner as to divide the chamber into compartments, and prevent spreading of the coal as it is conducted therein.

The invention further consists in combining with the spout arranged within the magazine a false or secondary spout, in such a manner as to adapt the box or hod for coal of small size.

In the drawing, the letter A designates the magazine of my coal-hod, which is by preference made in the form of a cylinder, of suitable capacity, and which is provided with a cover, B, so that the dust rising from the coals in the magazine cannot escape into the room. In the lower part of this magazine is secured a spout, C, which contracts toward its mouth  $a$ , and extends down into the discharge-chamber D. In this discharge-chamber are secured two abutments,  $b b$ , parallel,

or nearly so, to each other, and which rise above the level of the mouth  $a$ , and said chamber is provided with an opening,  $c$ , large enough to introduce an ordinary coal-shovel. The bottom E, which is by preference made of cast metal, is provided with an extension,  $d$ , in front of the opening  $c$ , so that, in taking a shovelful of coals out of the discharge chamber, no coals are liable to drop on the floor of the room or compartment in which my coal-hod is used. The opening  $c$  can be closed by a door,  $e$ . When the magazine is filled with coals a portion of these coals descend into the discharge-chamber, until they rise therein to such a height that the mouth of the spout C is closed. If a portion of the coals is taken out of the discharge-chamber a fresh supply descends from the magazine until the latter is empty. The abutments  $b b$  prevent the coals from spreading in the discharge-chamber, so that they can be easily reached through the opening  $c$ . Into the spout C is fitted a false spout,  $C^*$ , which, when inserted, reduces the diameter of the mouth  $a$ , so that my coal-hod becomes adapted to coals of small size. One or more such false spouts may be provided.

This coal-hod is intended particularly for such places where it is desirable to keep a large supply of coal, and I propose to construct my coal-hod in any desired shape or capacity that will best suit the requirements of those using it, when the combination of spout C, mouth  $a$ , discharge-chamber D, with the magazine A, is introduced.

The advantages of my invention consists in the convenience of stowing coal in small apartments; the ease and cleanliness when drawing a supply of coal, as no dust or coal splinters can escape or drop upon the floor when shoveling out the coals, and when made of the capacity for common household use it avoids the necessity of lifting or canting over the hod to replenish the fire with coal, all of which is a very great consideration, especially to those who are feeble, as many are, who are obliged to use a coal-hod.

In coal-hods of a small capacity I also in-

sert a false bottom, without an aperture, so that the hod can be used for carrying off ashes or cinders.

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

1. The base or bottom of a coal box or hod, constructed with abutments or strips for dividing the discharge-chamber into compartments, said abutments extending from the rear of the extention projecting from such base in combination with the magazine inclosing the spout, having a contracted mouth, which extends downward into the discharge-chamber, substantially as herein shown and described.

2. The combination, with the magazine and the spout arranged therein, and having a contracted mouth, of the false or secondary spout, and the discharge-chamber beneath, substantially as described.

In testimony that I claim the foregoing, I have hereunto set my hand and seal this 10th day of February, 1875.

CHAS. F. THOMAS. [L. S.]

Witnesses:

W. HAUFF,  
E. F. KASTENHUBER.