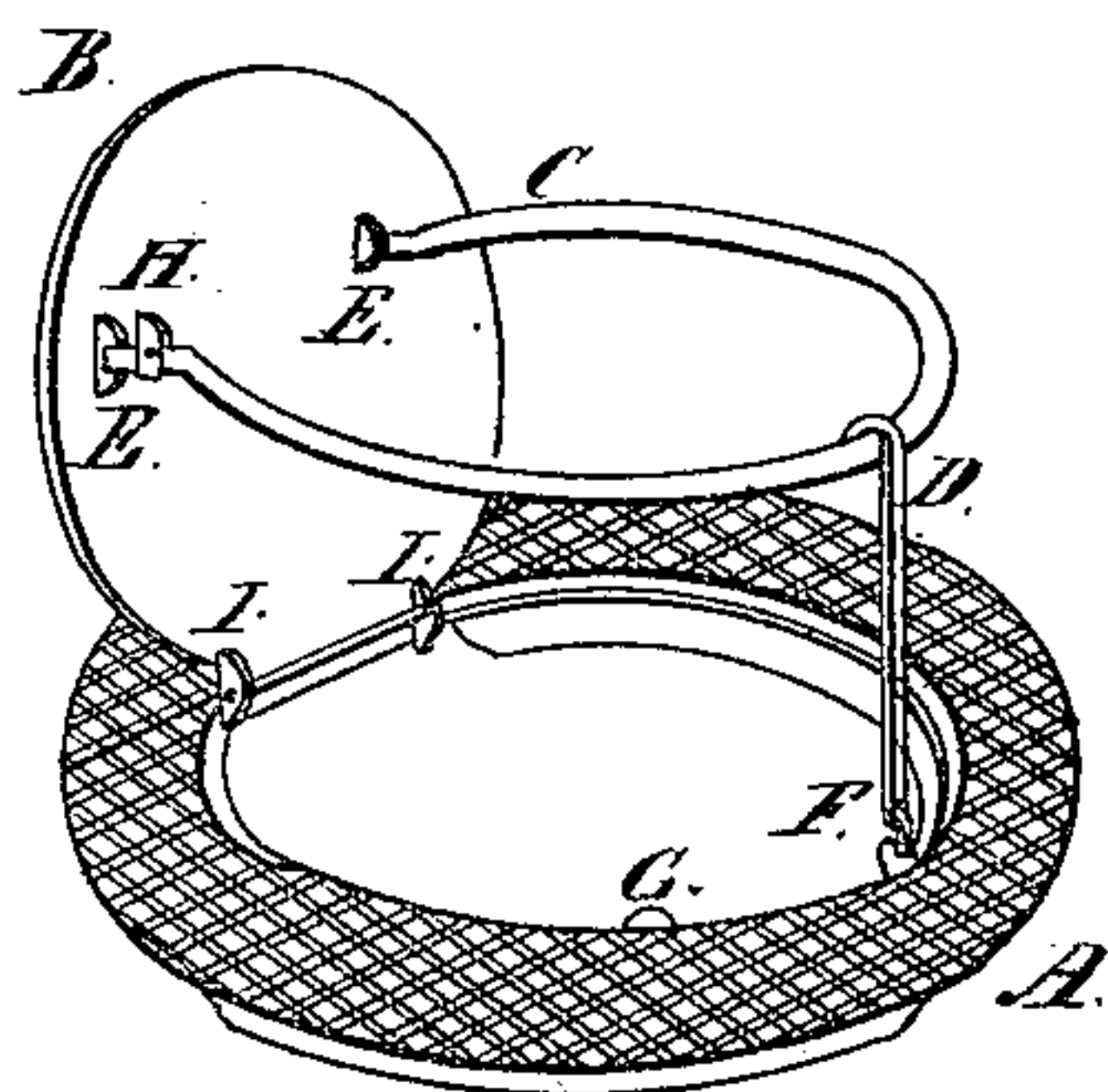


*I. Chase, Jr.*

*Vault Cover.*

*N<sup>o</sup> 14,050.*

*Patented Jan. 8, 1856.*



# UNITED STATES PATENT OFFICE.

IRA H CHASE, JR., OF BOSTON, MASSACHUSETTS.

## COAL-SCUTTLE COVER.

Specification of Letters Patent No. 14,050, dated January 8, 1856.

*To all whom it may concern:*

Be it known that I, IRA H CHASE, JR., of Boston, in the county of Suffolk and Commonwealth of Massachusetts, have invented  
5 a new, useful, and Improved Coal-Scuttle; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing  
10 ing and to the letters of reference marked thereon.

The figure represents a perspective view of the scuttle.

A, is a cast iron rim, or frame, which is  
15 bedded into the side walk, so that its upper surface shall be level with it. To give this frame sufficient strength, and firmness, the under side is provided with a flange, about three inches deep, conforming to the size  
20 of the hole. This rim is twenty inches in diameter, more or less. It may also be made of any other figure, but for various reasons I prefer a circular.

B, is the cover, attached to the frame A,  
25 by the hinges I, I. When shut, the top side of B, is level with the upper surface of A. When the cover is thrown open, the hinges prevent it from tipping back too far, keeping it nearly perpendicular.

30 G, is a rod of flat, round, or square iron about  $\frac{5}{8}$  of an inch in diameter, (more or less) bent as seen in the figure, into a circle, whose diameter is a very little less than that of the scuttle cover. The two ends of this  
35 hoop are fastened, or hinged, so as to swing freely to the cover B, by the ears, E, E.

D, is a leg, or prop, of round iron, about  $\frac{5}{8}$  of an inch in diameter, the upper end being bent around the hoop, C, so as to swing  
40 freely upon it. The lower end enters a hole, about an inch and a half in depth, in the ear E being provided with a shoulder to prevent its entering too far. The length of D, above the upper surface of A, should be  
45 the same as the distance between E, and I, so that when the scuttle cover is propped open by it, (as represented in the figure) the hoop C, will be parallel with the surface of A.

As this prop D, fits closely in the deep hole F, it is obvious that it will not only hold  
55 up the hoop C, but also prevent the cover B from moving, keeping it nearly perpendicular.

H, is a little projection welded or riveted to the hoop C, so that when the cover is shut  
60 down, it will drop under the ear G, and form an automatic hasp, rendering it impossible it raise the cover from the upper side.

Operation: When the cover is raised, as  
65 seen in the figure, it is obvious that it will be held in its proper position, by means of the hoop C, and prop D, the three combined forming a perfect protection, around the hole, while at the same time there is nothing  
70 in the way of pulling down coal, wood or anything else, that may be required. As C, is hinged to B, and D, to C, it is plain that the hoop, and prop, will drop down when the cover is shutting, through the scuttle  
75 hole, whether the latter be square, round, oblong, or polygonal. Round scuttles are however preferable, to those of any other shape, as they are capable of inclosing a  
80 greater area with the same amount of metal, making thereby a great saving both in the cost of iron, and the labor of drilling holes for them in the side-walks, and by having C, hinged to B, and D, to C round scuttles, can be used, as well as those of any other shape.

What I claim as my invention, and desire to secure by Letters Patent is,

1. Hinging to the cover, B, a circular hoop, C, constructed substantially as described, in combination with the prop, D,  
85 and receiving hole, F, operating as set forth.

2. The arrangement by which the cover is fastened down, *i. e.* by making the projection H, of the hoop C, and the ear G, operate, as an automatic latch, substantially as described.  
90

IRA H CHASE, JR.

Witnesses:

JOHN CARY,  
NATHAN AMES.