

No. 885,094.

PATENTED APR. 21, 1908.

H. G. SODERBLOM.
COAL SCUTTLE.

APPLICATION FILED MAR. 25, 1907.

Fig. 1.

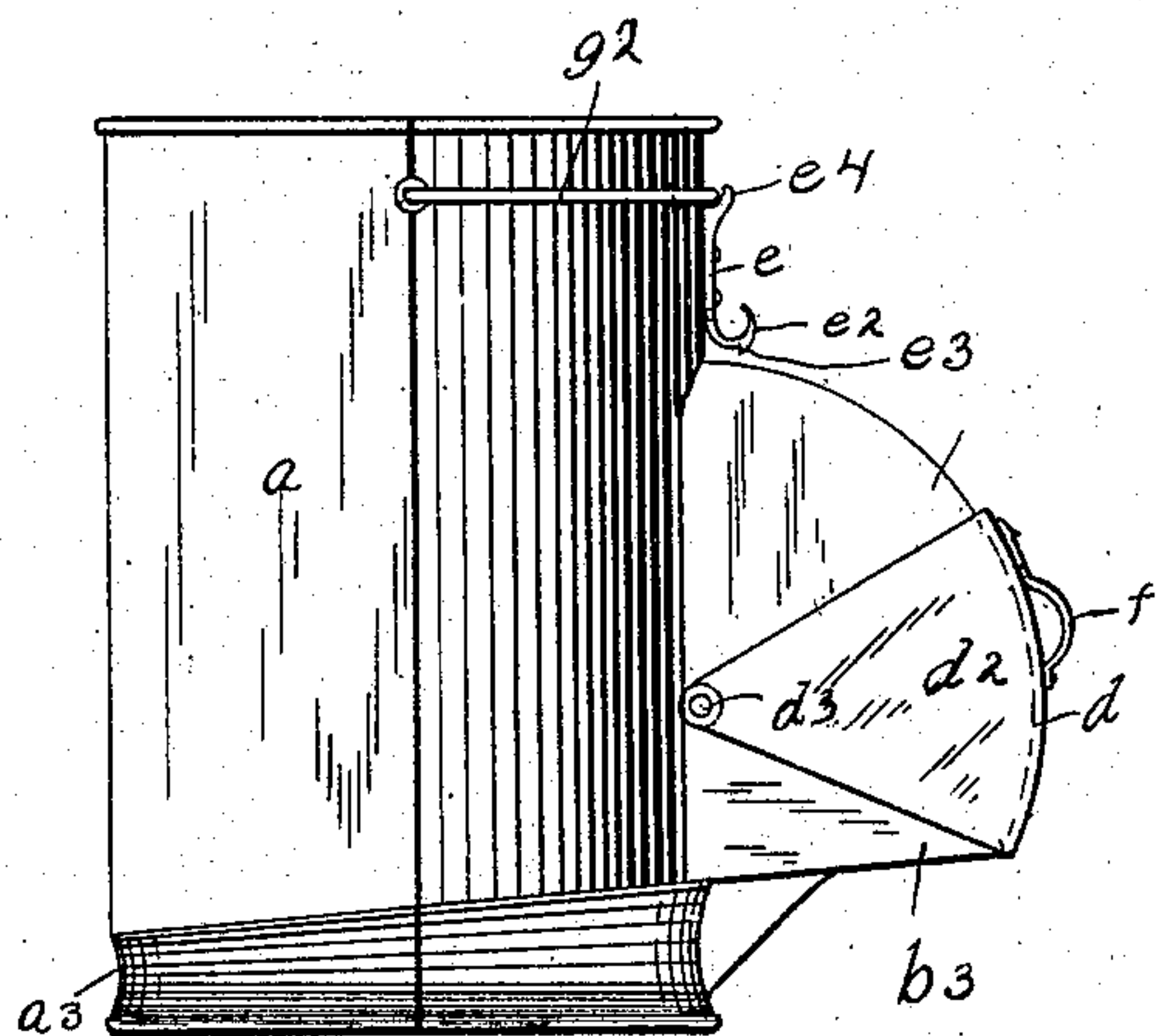


Fig. 2.

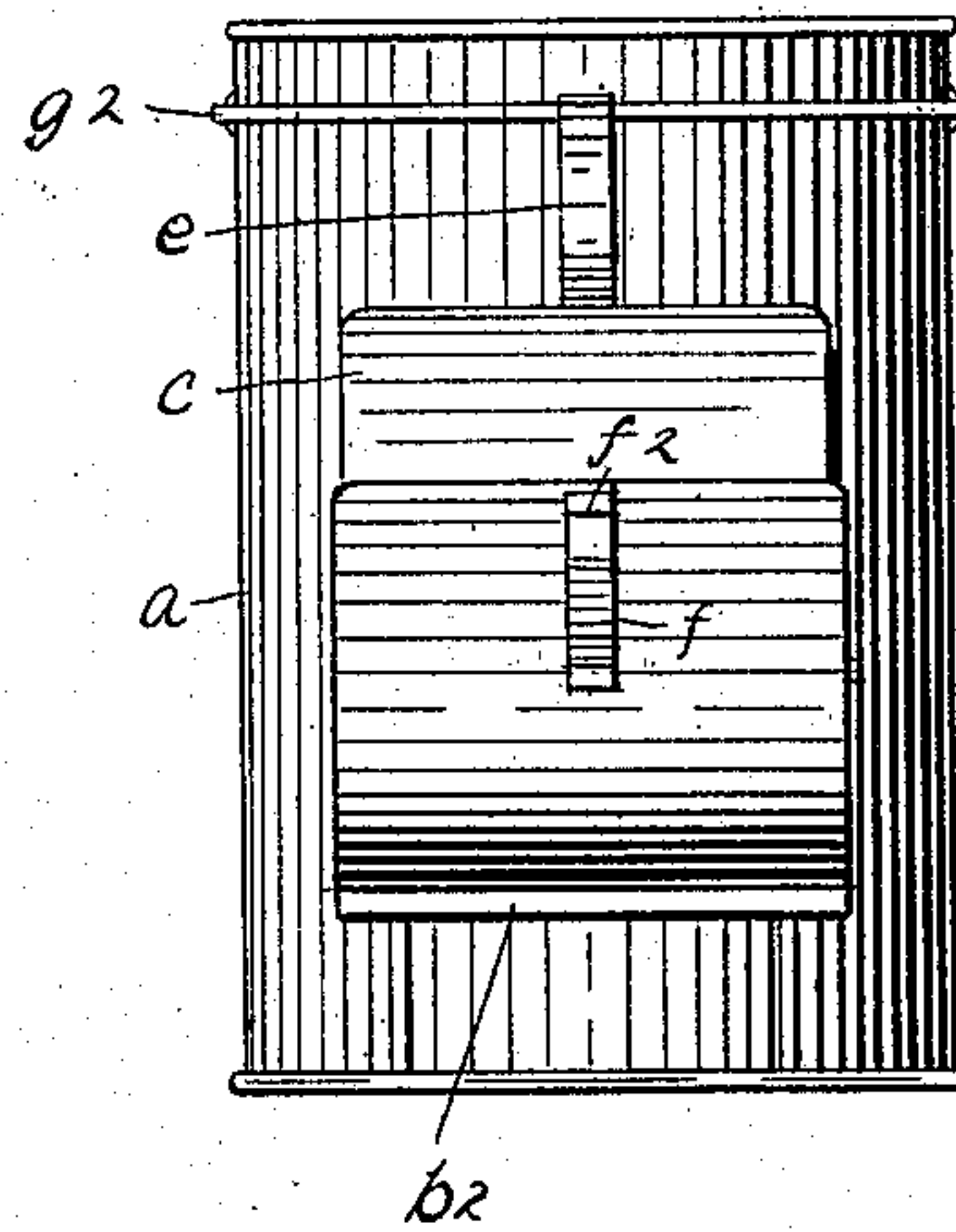


Fig. 3.

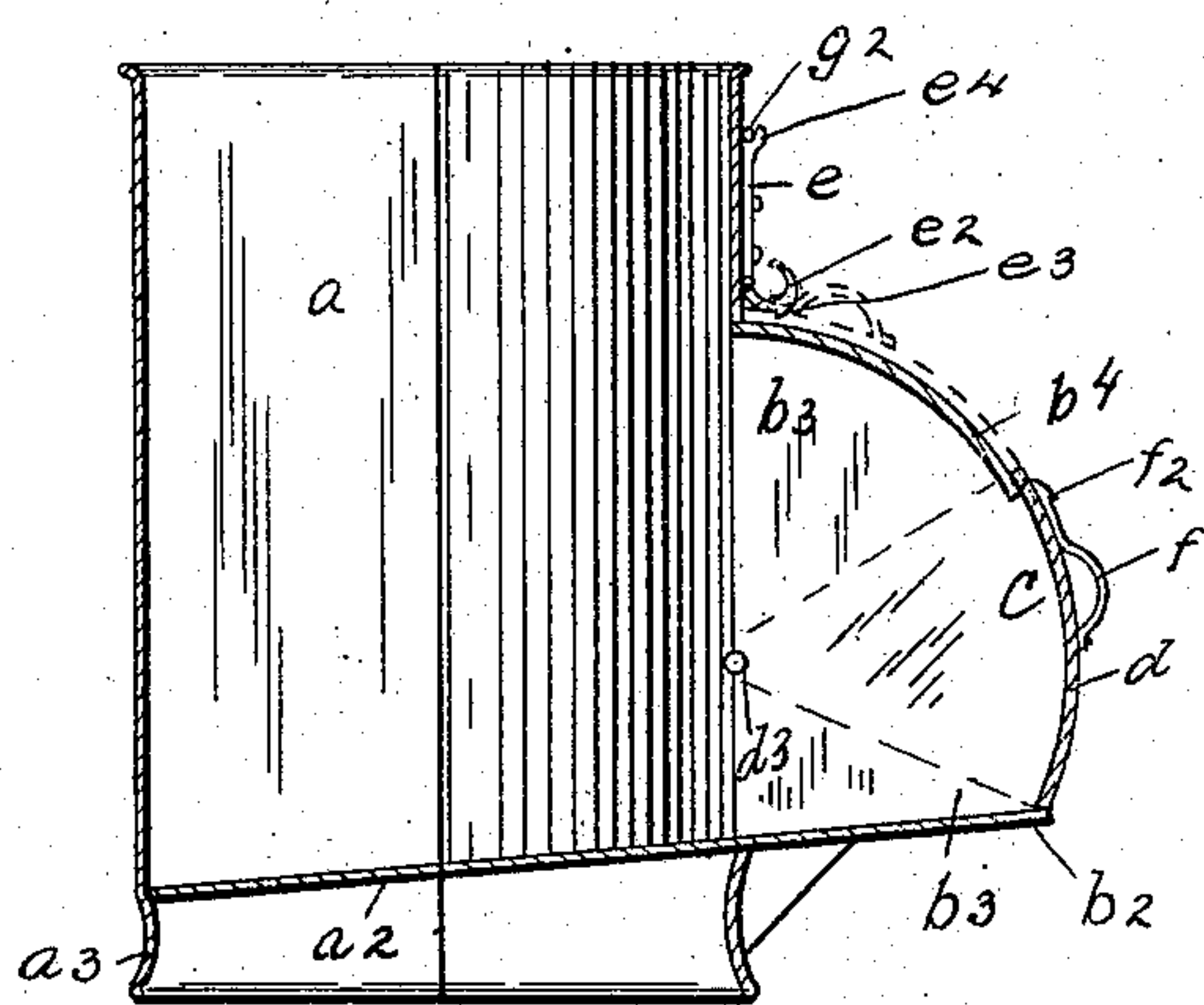


Fig. 4.

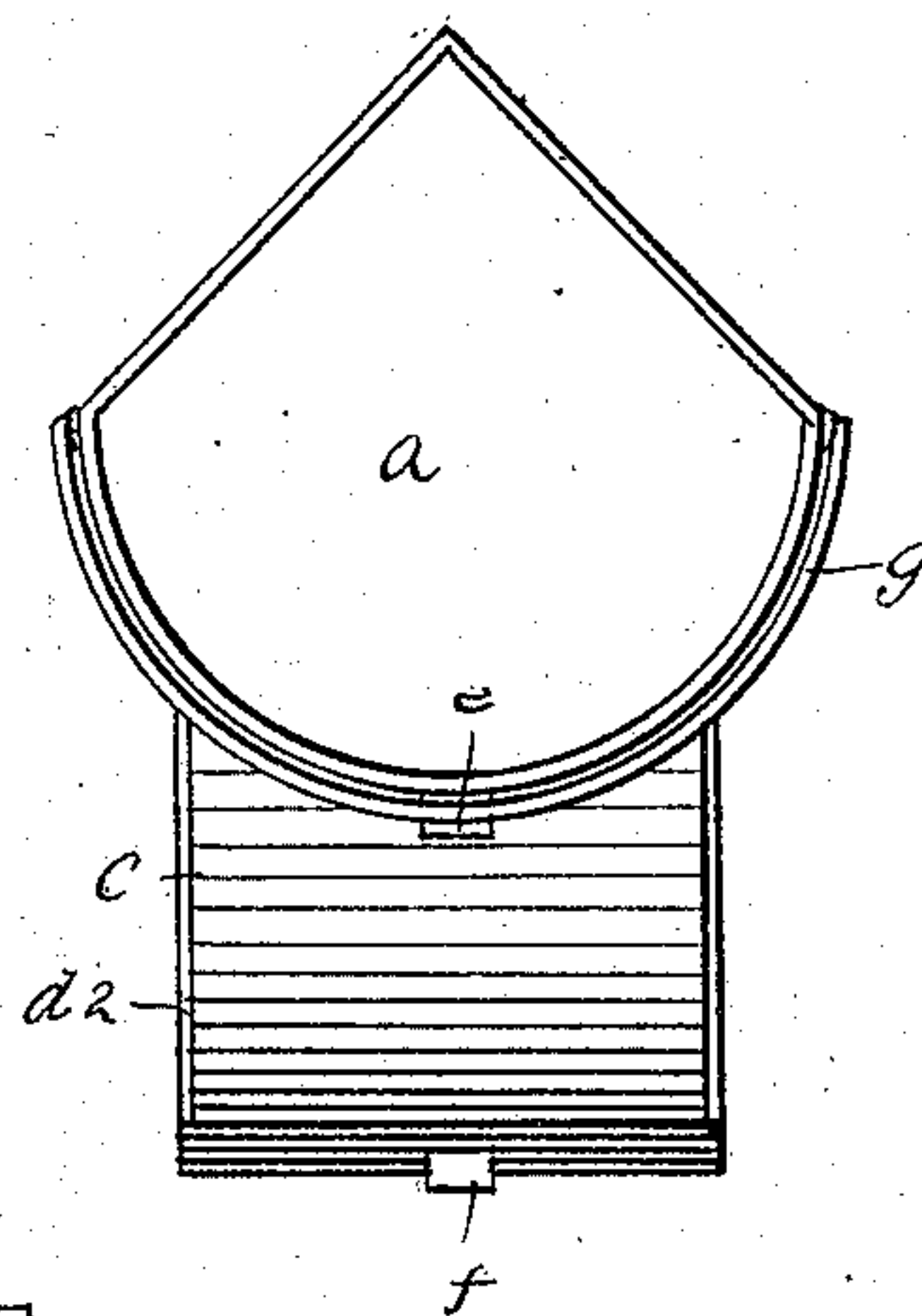


Fig. 5.

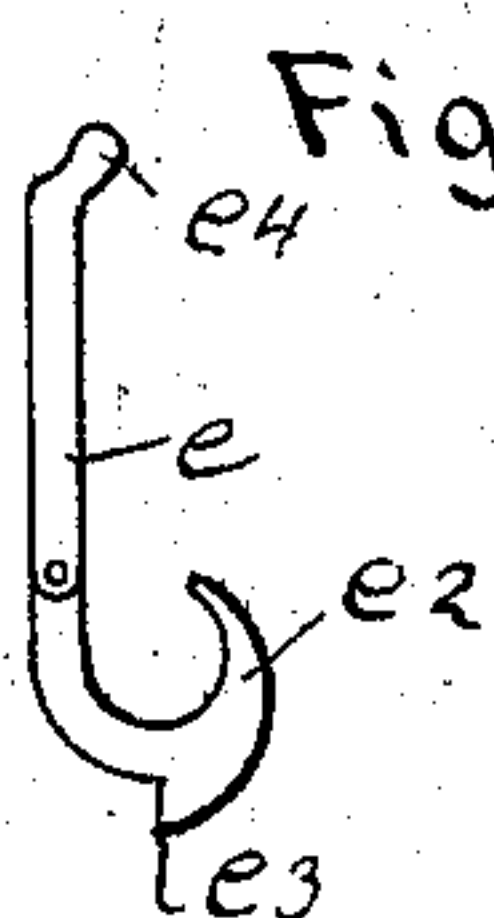
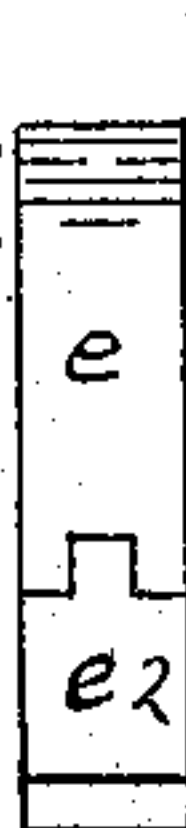


Fig. 6.



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HENRY G. SODERBLOM, OF BROOKLYN, NEW YORK.

COAL-SCUTTLE.

No. 885,094.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed March 25, 1907. Serial No. 364,217.

To all whom it may concern:

Be it known that I, HENRY G. SODERBLOM, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Coal-Scuttles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to coal scuttles or buckets, and the object thereof is to provide an improved device of this class the discharge spout of which is provided with a door which may be opened and closed when desired, and which possesses other features of construction which render it more convenient and more practical in use than other devices of this class as usually constructed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a side view of my improved coal scuttle; Fig. 2 a front view thereof; Fig. 3 a central vertical section of the coal scuttle taken through the discharge spout; Fig. 4 a plan view of the scuttle; and, Figs. 5 and 6 detail views showing a part of the means of holding the door of the discharge spout in an open position.

In the practice of my invention, I provide a coal scuttle or bucket, comprising a receptacle *a* the front portion of which is semi-circular in cross section and the back portion of which, as shown in the drawing, triangular in cross section, and the bottom of the receptacle is preferably inclined as shown at *a*² in Fig. 3, and below said bottom is a depending flange or rim *a*³ which is preferably grooved annularly or concavo-convex in cross section. The front of the bucket is provided at the bottom thereof with a discharge spout *b*, the bottom of which is in line with the bottom *a*² of the bucket.

The discharge spout *b* consists of a bottom wall *b*², parallel side walls *b*³, a front wall *b*⁴ which is segmental in vertical section and provided in the bottom portion thereof with an opening *c* adapted to be closed by a door *d* which is also segmental in vertical section and provided with parallel side members *d*² pivoted at *d*³, and as thus constructed the door *d* may be swung from the lowest and

closed position shown in full lines in Figs. 1 and 3 to its upper position, indicated in dotted lines in Fig. 3, so as to open the discharge spout or the opening *c* in said discharge spout, or said door may be lowered so as to close the discharge spout when desired.

Secured to the front of the receptacle *a* over the discharge spout is a metal strip *e* to the lower end of which is pivoted a hook member *e*², the bottom of which is provided with a tooth *e*³, and secured to the front of the door *d* of the spout *b* is a spring handle *f*, the upper end of which is provided with a head *f*² adapted to engage the tooth *e*³ of the hook *e*² when the door *d* of the spout is raised as shown in dotted lines in Fig. 3.

The scuttle or bucket is also provided at the top with the usual bale *g*², and the strip *e* is provided at its upper end with a hook member or catch *e*⁴ in which the bale *g*² rests when not in use.

When constructed in this manner the door *d* may be raised and an ordinary hand shovel may be inserted into the discharge spout for removing the coal instead of throwing the coal out of the scuttle in the usual manner, but said coal may be thrown out of the scuttle when desired, in the usual manner, and the inclination of the bottom *a*² of the bucket and the bottom *b*² of the discharge spout facilitates the use of a shovel in the manner above described.

By making the back part of the scuttle or bucket triangular in cross section, the said scuttle or bucket may be set into a corner as will be readily understood, and thus occupy a minimum amount of space, and the bottom rim of the bucket may be grasped with one hand and the bale *g*² with the other hand in the operation of discharging coal through the discharge spout *b*.

My invention, however, is not limited to the shape of the scuttle or bucket in cross section, and changes in and modifications of the construction described may be made without sacrificing the advantages of the invention or departing from the scope thereof as set out in the appended claims.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A coal scuttle provided at the bottom front portion thereof with a discharge spout having a bottom in line with the bottom of the scuttle, parallel side walls, and a front wall segmental in vertical section and pro-

vided in the bottom portion thereof with an opening; and a door which is also segmental in vertical section and adapted to close said opening, said door being provided with parallel side members pivoted to the sides of the discharge spout adjacent to the scuttle, and said door being also provided with a spring handle adapted to engage a pivoted catch at the top of the discharge spout.

10 2. A coal scuttle provided at the bottom front portion thereof with a discharge spout composed of a bottom in line with the bottom of the scuttle, parallel side walls and a front wall segmental in vertical section and provided in the bottom thereof with an opening; and a door which is segmental in vertical section and adapted to close said opening and provided with side members which overlap the side walls of the spout and which are pivoted to the spout adjacent to the scuttle, and means for holding said door in a raised position.

20 3. A coal scuttle provided at the bottom front portion thereof with a discharge spout

composed of a bottom in line with the bottom 25 of the scuttle, parallel side walls and a front wall segmental in vertical section and provided in the bottom thereof with an opening; and a door which is segmental in vertical section and adapted to close said opening 30 and provided with side members which overlap the side walls of the spout and which are pivoted to the spout adjacent to the scuttle, and means for holding said door in a raised position, consisting of a spring handle secured to the door by which it may be raised and provided with a knob or head, and a catch pivoted to the scuttle above the front wall of the discharge spout and adapted to engage said knob or head. 40

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 22nd day of March, 1907.

HENRY G. SODERBLOM.

Witnesses:

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