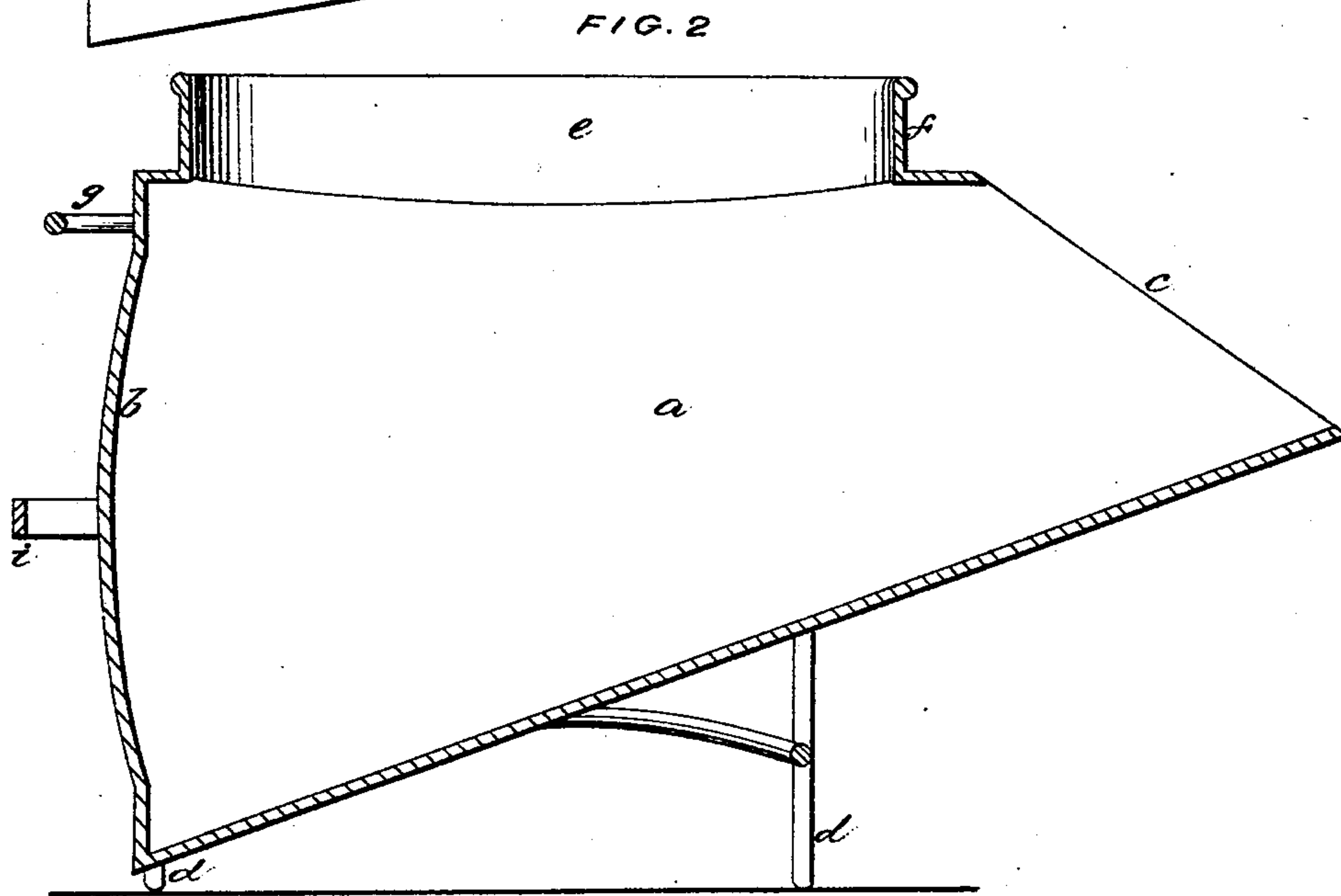
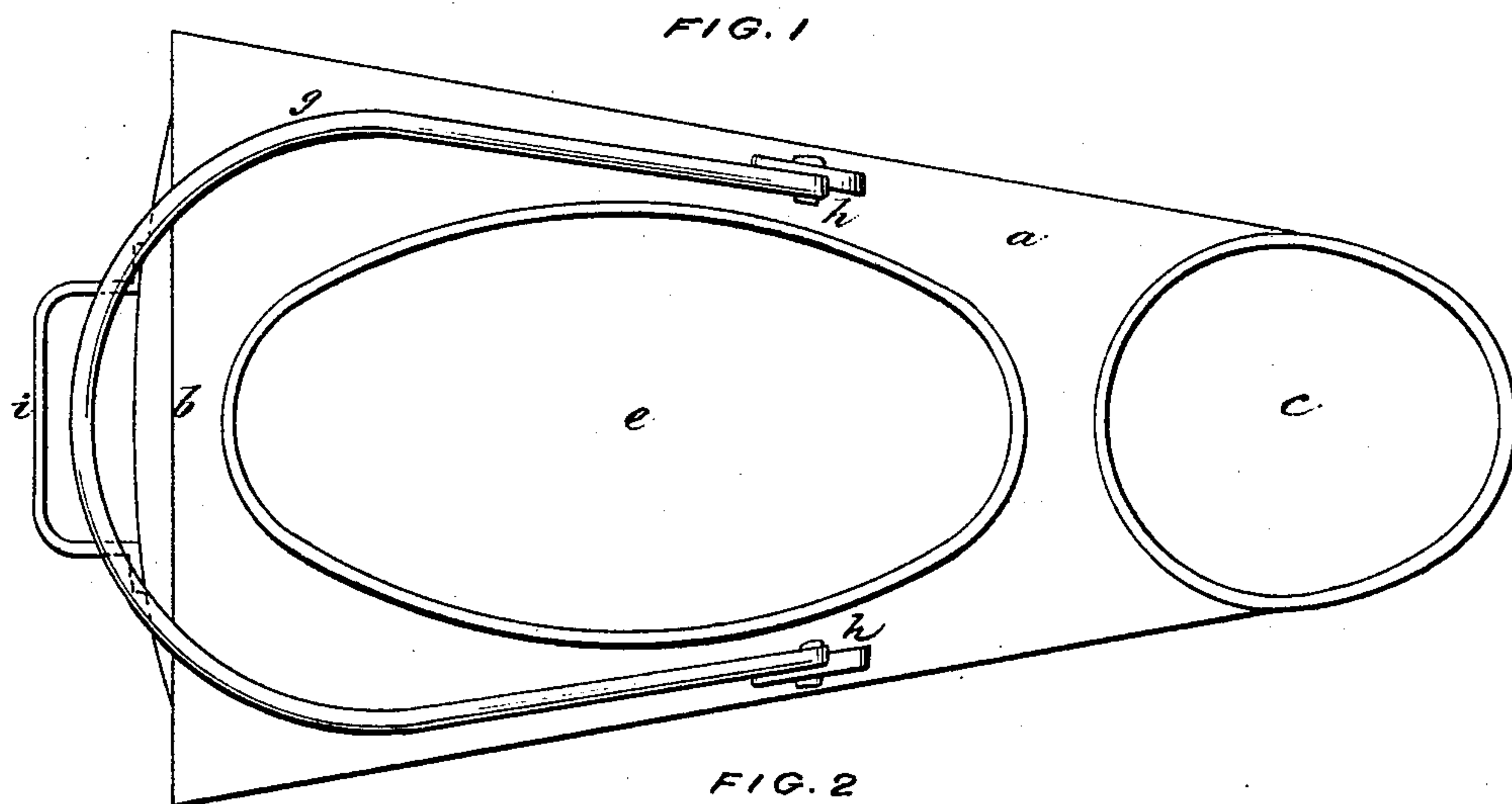


J. A. LAWSON.
Coal Scuttle.

No. 68,213.

Patented Aug. 27, 1867.



WITNESSES:

Chas. H. Hazard
James W. Greene

INVENTOR:

J. A. Lawson

United States Patent Office.

JAMES A. LAWSON, OF TROY, NEW YORK.

Letters Patent No. 68,213, dated August 27, 1867.

COAL-HOD.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES A. LAWSON, of Troy, in the State of New York, have invented certain new and useful improvements in Coal-Hods or Scuttles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan, and

Figure 2 a longitudinal vertical section.

The same letters indicate like parts in both figures.

My said invention relates to improvements in hods or scuttles for supplying coal to stoves or grates. As heretofore generally constructed they have been of a form somewhat resembling a bucket, with the bottom, on which it stands, circular, the upper open end slightly enlarged and of an oval form, and with a bail hinged to the upper open end. And although the side from which the coal is to be discharged is more inclined and higher than the opposite side, which is provided with a handle, it is very inconvenient to discharge coal from them, particularly into a stove, and so inconvenient that in most cases it may be said that this can only be done by a jerking action, which, if not skilfully done, results in dropping much of the coal on the floor.

An attempt has heretofore been made to avoid such defects by making the scuttle in the form of a frustum of a cone, with a pedestal secured to the angle of the base of the frustum at such an angle as to have the axis of the frustum at an angle of about forty-five degrees, with the small end upwards, from which the coal is to be discharged, and as the coal could not be conveniently introduced through such small open end, a larger opening was made near the base of the cone, but as this would permit the coal to drop out it had to be provided with a cover, which is a source of serious inconvenience. By my improvements I avoid all the defects incident to the modes of construction heretofore practised or suggested.

In the accompanying drawings, *a* represents the body of the scuttle or hod, which is in the form of the frustum of a hollow cone, with the larger end *b* closed, and in a plane at right angles, or nearly so, with the upper surface when the hod or scuttle is resting on the floor, and with the plane of the small open end or spout *c* at an angle of about forty-five degrees with the axis of the frustum. Legs or feet *d d* are secured to what may be termed the under side, and these are of such length that, when resting on the floor, the upper surface of the frustum is in a horizontal plane, or nearly so. A large oval opening, *e*, is made in the upper surface, surrounded by a flanch, *f*, forming a hopper through which the hod or scuttle can be conveniently charged. A bale, *g*, is hinged to the sides at about the middle of the length, and a short distance above the hinges are secured stops *h*, which bear against the bale to prevent the rear end of the scuttle, which is the heaviest, from tipping down when carried. A handle, *i*, is secured to the rear end for the facility of handling when discharging coal into a stove or grate.

When so constructed, it will be seen that the scuttle can be easily charged or filled with coal through the hopper, and that when filled the coal is not liable to drop out, for the reason that the upper edge of the hopper is in a horizontal or nearly horizontal plane; that when being carried by the bail, or when resting on the floor, the coal will not run out on to the floor, because lump coal will not by gravity run down an inclination so slight as that presented by a plane from the lower edge of the spout to the surface of the coal in the hopper, and yet, by a very slight elevation of the rear end, coal can be easily discharged from the spout.

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

A coal-hod or scuttle having its body in the general form of the frustum of a cone, and provided with a hopper, all substantially as and for the purpose specified.

And I also claim the bail, when combined with the body of the scuttle by means of hinged joints and stops, substantially as and for the purpose specified.

JAMES A. LAWSON.

Witnesses:

CHAS. H. HAZARD,
JAMES W. GREENE.