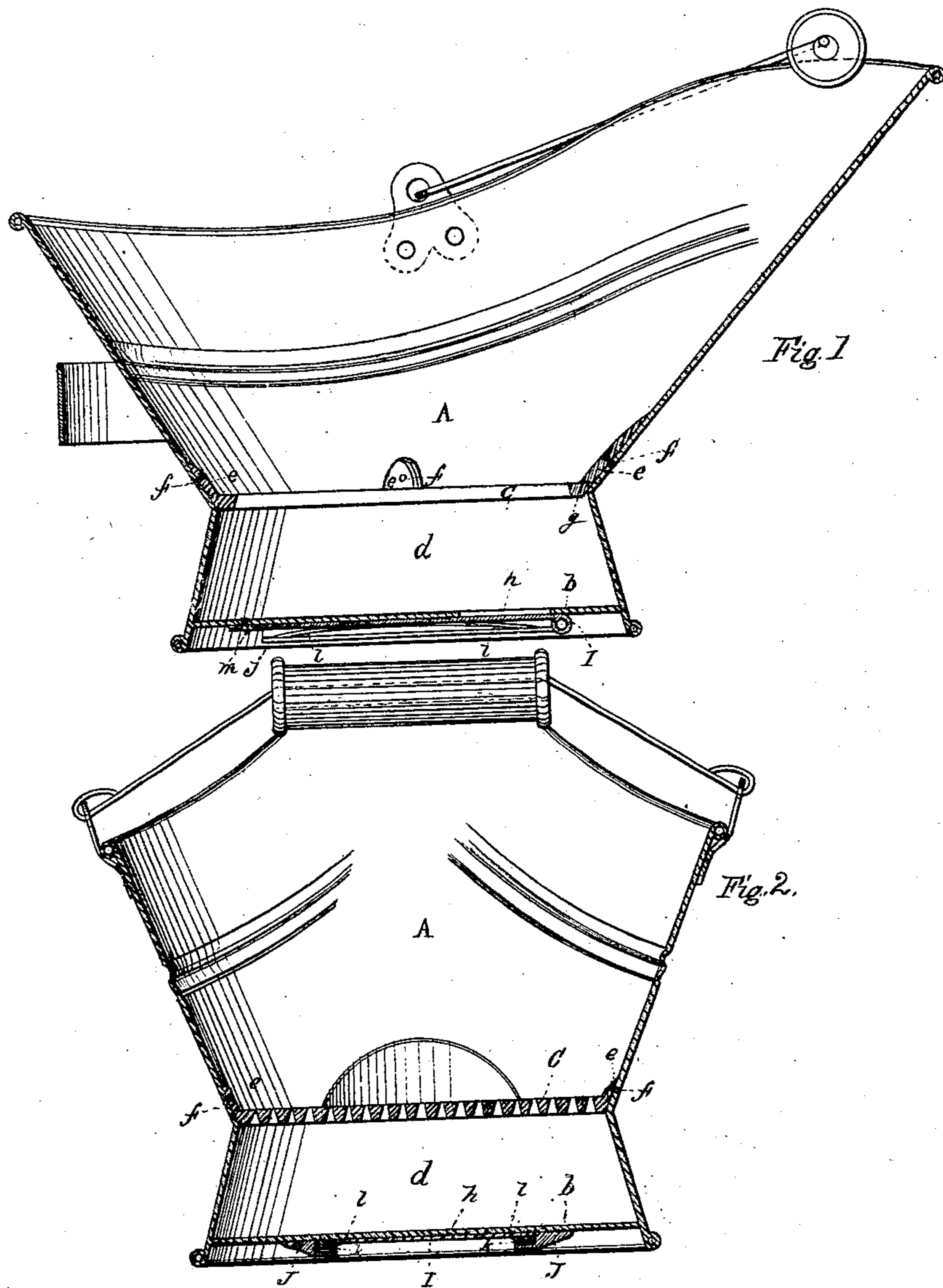


HAZLET & FLANIGAN. Coal Scuttle and Sifter.

No. 102,679.

Patented May 3, 1870.



WITNESSES.

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INVENTORS.

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WILLIAM HAZLET AND WILLIAM H. FLANIGAN, OF PHILADELPHIA.
PENNSYLVANIA.

Letters Patent No. 102,679, dated May 3, 1870.

IMPROVEMENT IN COAL-SCUTTLE AND SIFTER.

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

We, WILLIAM HAZLET and WILLIAM H. FLANIGAN, of the city of Philadelphia and State of Pennsylvania, have invented certain Improvements in Coal-Scuttles and Sifters, of which the following is a specification.

The nature of our invention consists in the combination of a sifter with the lower part of the scuttle, for separating the dust from the coal.

We place the sifter a sufficient distance above the bottom of the scuttle, to form a space to contain the siftings.

We generally use a fine grate for the purpose, yet contemplate a perforated sheet of iron. We construct the bottom of the scuttle with an opening for the discharge of the siftings, and arrange beneath the same a slide for closing said opening.

To enable others skilled in the art to which our improvement appertains to make and use our invention, we will now give a detailed description thereof.

In the accompanying drawings which make a part of this specification—

Figure 1 is a longitudinal section of the scuttle.

Figure 2 is a transverse section of the same.

Like letters in all the figures indicate the same parts.

A is the body of the improved scuttle, which has a bottom, *b*, connected therewith in the usual manner.

C is a horizontal grate, placed a suitable distance above the bottom *b*, to form a space, *d*, to hold the siftings.

The grate is confined in its place by means of the lugs *e* and rivets *f*, the front part being slipped under

the shelving piece *g*, which is soldered to the front part of the scuttle.

The bottom has an opening, *h*, for the discharge of the siftings.

It is provided with a slide, *I*, beneath it.

The slide is held in its lateral position by means of the rebated strips *J J*, confined to the under side of the bottom by means of rivets.

In the rebates *k* of the strips are confined elliptical springs *l l*, which press against the slide, and keep it up against the bottom, and allow it to move freely when the siftings are to be removed.

At the front side of the hole *h* there is a lip, *m*, formed by soldering or riveting a small piece of tin or sheet-iron to the bottom, for supporting the front edge of the slide.

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

The combination of the slide *I* with the bottom *b*, having an opening, *h*, the said slide being arranged and operating in relation to the grate *C*, and being supported by the springs *l l*, attached to the rebated strips *J J*, substantially as described.

In testimony that the above is our invention we have hereunto set our hands and affixed our seals this 26th day of March, 1870.

WILLIAM HAZLET. [L. S.]
WILLIAM H. FLANIGAN. [L. S.]

Witnesses:

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