

Coal-Boxes.

No. 152,595.

Patented June 30, 1874.

FIG. 1.

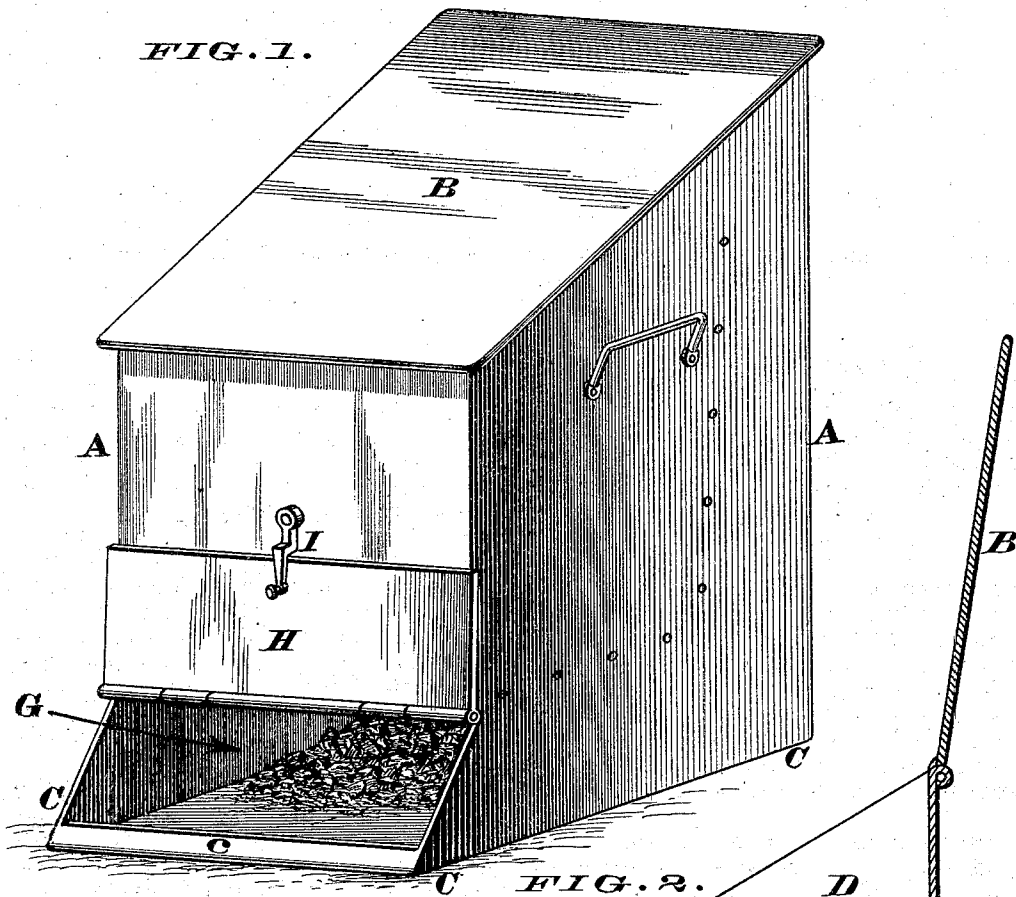
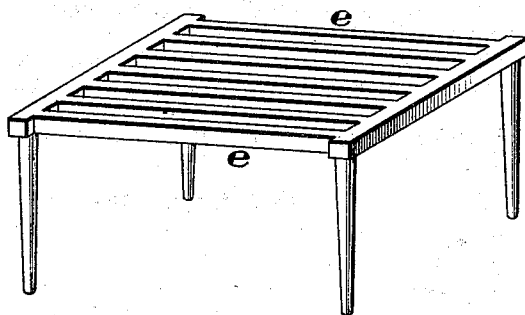
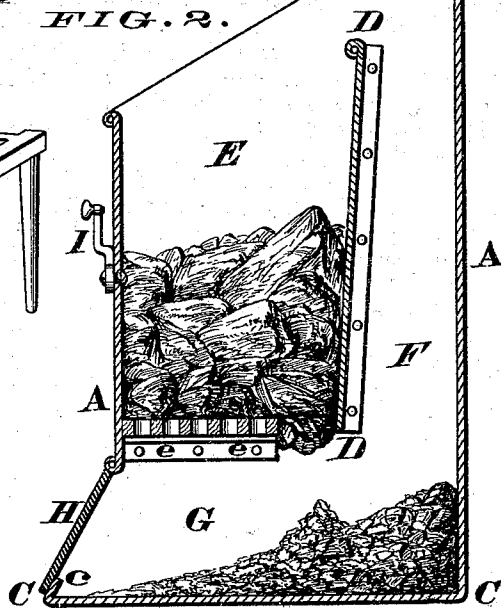


FIG. 3.



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UNITED STATES PATENT OFFICE.

GEORGE S. BRUCE, OF CINCINNATI, OHIO.

IMPROVEMENT IN COAL-BOXES.

Specification forming part of Letters Patent No. **152,595**, dated June 30, 1874; application filed April 25, 1874.

To all whom it may concern:

Be it known that I, GEORGE S. BRUCE, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Coal-Box, of which the following is a specification:

This invention relates to a receptacle having two distinct compartments or magazines in it, both open at top, one for lump-coal, and the other for slack-coal or screenings. The lump-coal compartment has a slatted or perforated bottom, through or behind which all finer particles, such as dust, falls into the passage or discharging-channel of the other receptacle or magazine.

In the accompanying drawings, Figure 1 is a perspective view, and Fig. 2 is a vertical section, of my improved coal-box. Fig. 3 is a perspective view of one form of my slatted bottom.

A represents a box or bin of any suitable shape and size, and provided with a hinged lid, B, and extended base C. Extending from side to side of this box is a partition, D, that divides the box into two unequal magazines or receptacles, E F, of which the larger and front one, E, is intended for lump-coal, and the smaller one, F, for slack or screenings. This partition D is preferably inclined, as shown, so as to insure the slack-coal falling to the bottom of its appropriate magazine, from whence it may be removed through channel G.

The partition D may occupy grooves in the side of the box, and be capable of being drawn out, if desired.

The magazine E is provided with a slatted or perforated bottom, *e*, through or behind

which all dirt and dust that fall from the lump-coal must be deposited within the channel G, and can, therefore, be removed with the slack or screenings. H is a flap that covers the entrance to channel G; but, if preferred, a sliding or other door or shutter may be substituted for said hinged flap; or the aperture may be left open, if desired. I is a button or catch to hold the flap H in the open position, when desired. A ledge, rib, molding, or flange, *c*, around the base of the box, prevents dust and slack escaping off from said base into the floor. This ledge serves, also, to retain upon the base-plate C any water that may accumulate from melting ice or snow that may be deposited in the box with the coal or screenings.

The base may terminate flush, or nearly so, with the vertical face of the box, and its door be hinged by its lower edge, and, when open, constitute, in effect, an extension of said base.

This box, with its described adjuncts, may be composed of wood or metal.

I claim as my invention—

A coal-box, A, provided with the lump-coal chamber E, having outlet D and slack-magazine F, (the cover B common to both,) channel G, and door H at the bottom, substantially as described, and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

GEORGE S. BRUCE.

Attest:

GEO. H. KNIGHT,
JAMES H. LAYMAN.