

T. P. DICKERMAN.

Magazine Stove.

No. 80,712.

Patented Aug. 4, 1868.

Fig. 1

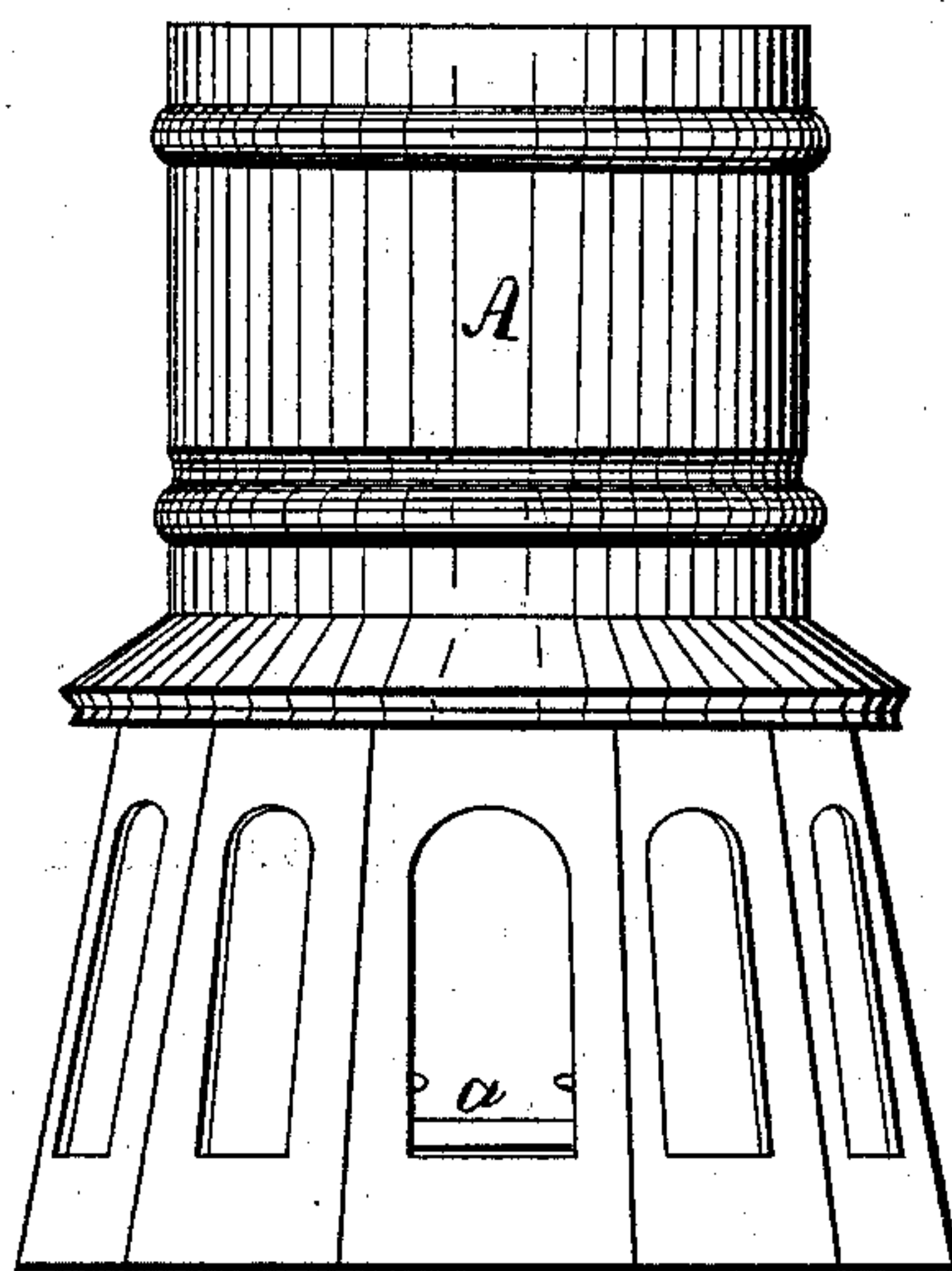


Fig. 3

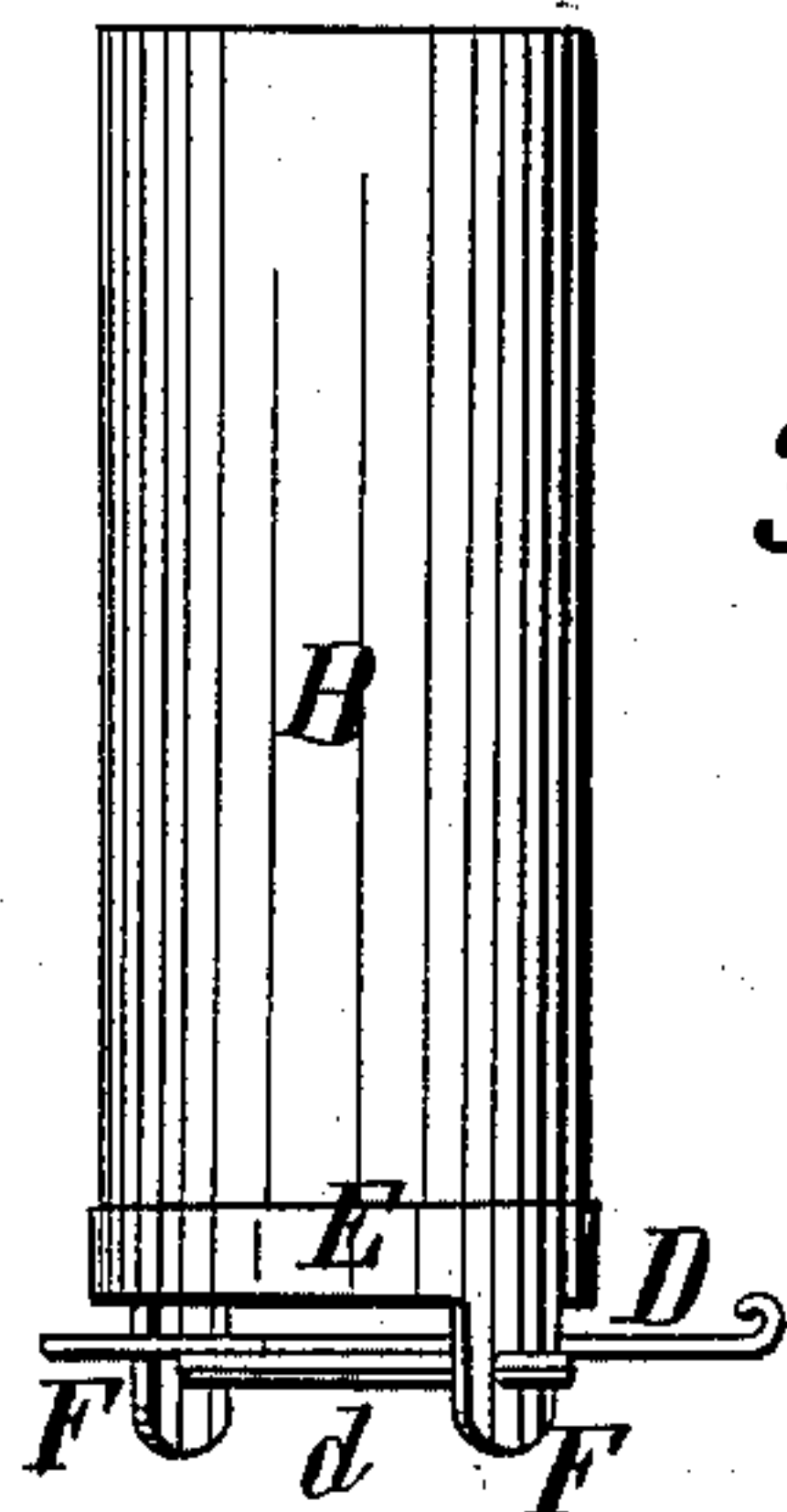
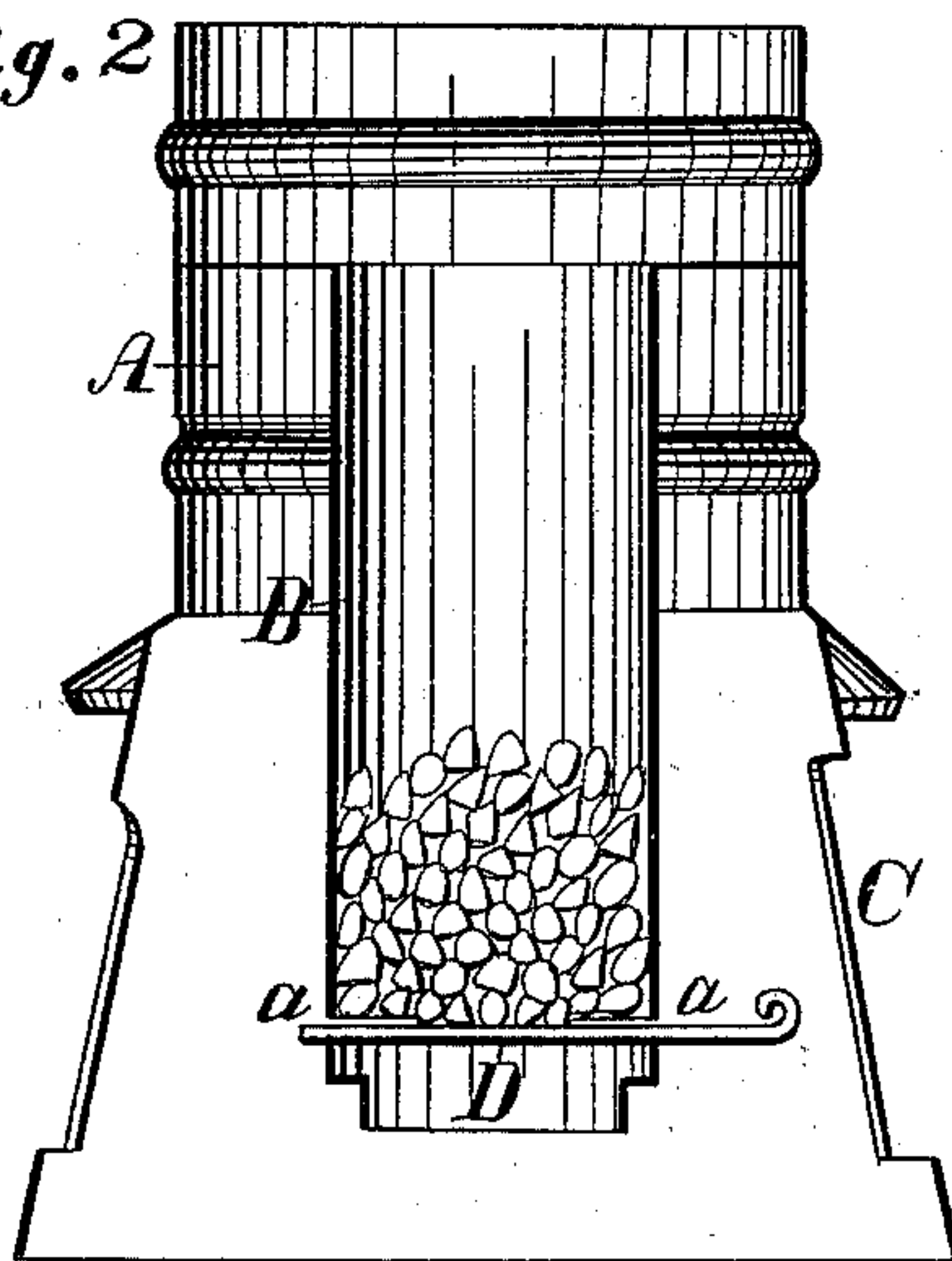


Fig. 2



Witnesses.

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By his Attorney

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T. PARSONS DICKERMAN, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 80,712, dated August 4, 1868.

IMPROVEMENT IN BASE-BURNING STOVES.

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, T. PARSONS DICKERMAN, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Base-Burning Stoves; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of a portion of a base-burning stove.

Figure 2, a vertical central section of the same, and in

Figure 3 a different modification of my improvement.

This invention relates to an improvement in that class of stoves commonly called base-burners, that is, stoves which have a cylinder or receptacle in the centre, over the fire-box, to receive the quantity of coal which falls into the fire-box to supply the consumption of coal burned in the fire-box.

In this class of stoves a great difficulty is experienced from the fact that if, perchance, the fire, from any cause, is extinguished, it is necessary to remove all the coal in the reservoir before the fire can be rekindled. The object of this invention is to overcome this difficulty, and to this end it consists in the arrangement of a slide or cut-off at the base of the reservoir, so that in case of the extinguishment of the fire, or from whatever cause, it is desirable to cut off the supply of coal, it may be easily accomplished.

To enable others to construct and use my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

A is the outer cylinder, B the inner, the fire-box being immediately below the inner cylinder, in the usual manner.

Near the base of the inner cylinder, I form a slot, *a*, upon opposite sides, so that through the door C of the outer cylinder a slide, D, may be passed through the slots in the inner cylinder, as seen in fig. 2, being worked through the coal in the cylinder, so that when the slide rests in both slots, as in fig. 3, it will support the coal in the cylinder or reservoir, then the fire or coals below may be removed and the fire rekindled, and when so rekindled, the slide may be removed, and permit the coal to fall into the fire-box.

If, as in some stoves of this class, the door is much narrower than the diameter of the inner cylinder, then the slide or cut-off D may be made in two or more parts, each part inserted separately.

To adapt this invention to stoves already constructed, a band, E, as seen in fig. 3, formed with ears F projecting downward, may be fitted on over the lower end of the inner cylinder, and a rod, *d*, placed through the said ears, so that the slide may be passed below the lower edge of the band over the rod *d*, and be supported by the said rod.

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

In combination with the reservoir or cylinder B of a base-burning stove, I claim the slide or cut-off D, arranged and applied substantially in the manner herein set forth.

T. PARSONS DICKERMAN.

Witnesses:

J. H. SHUMWAY,

A. J. TIBBITS.