

(No Model.)

J. T. PEET.
Stove Hearth.

No. 235,803.

Patented Dec. 21, 1880.

Fig. 1

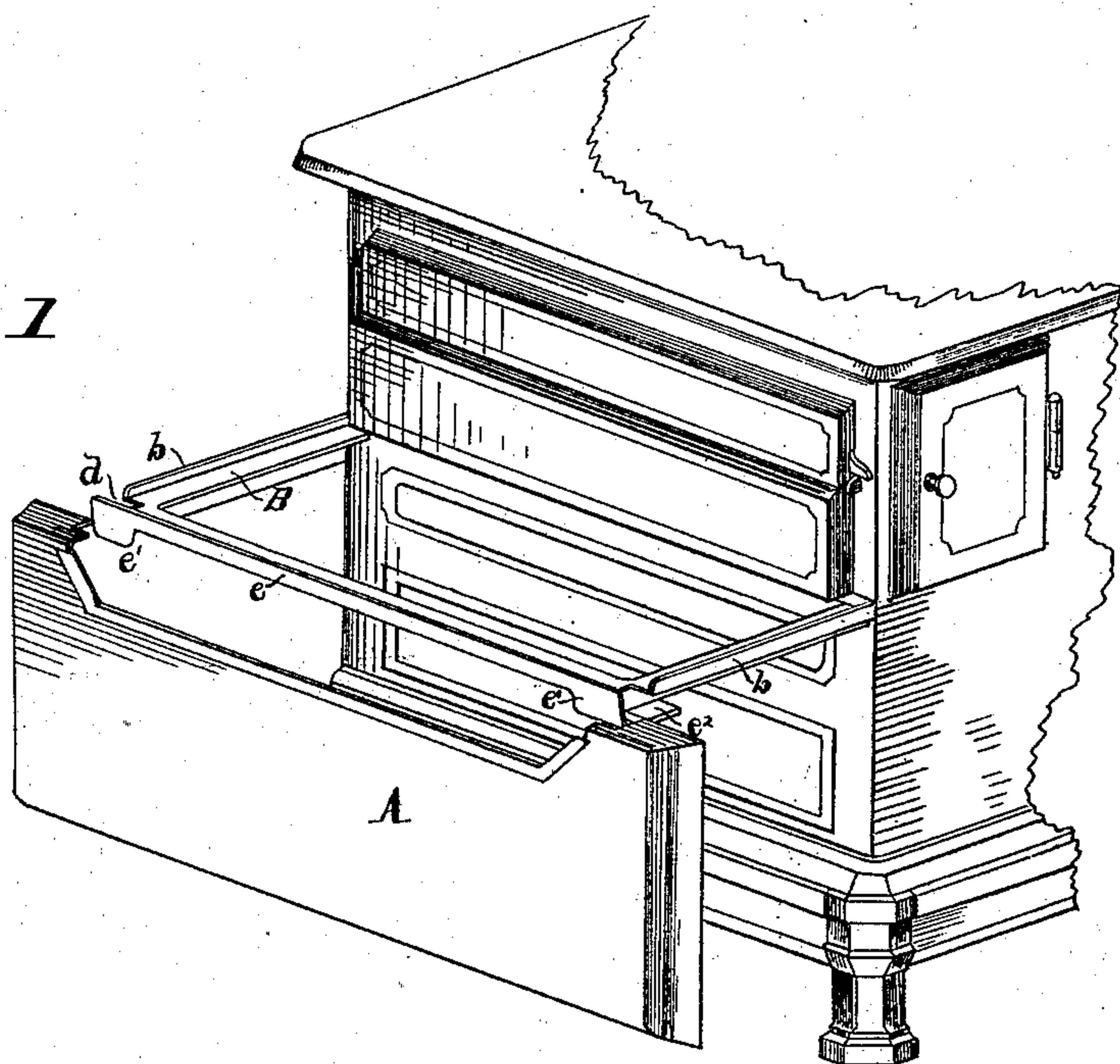


Fig. 2

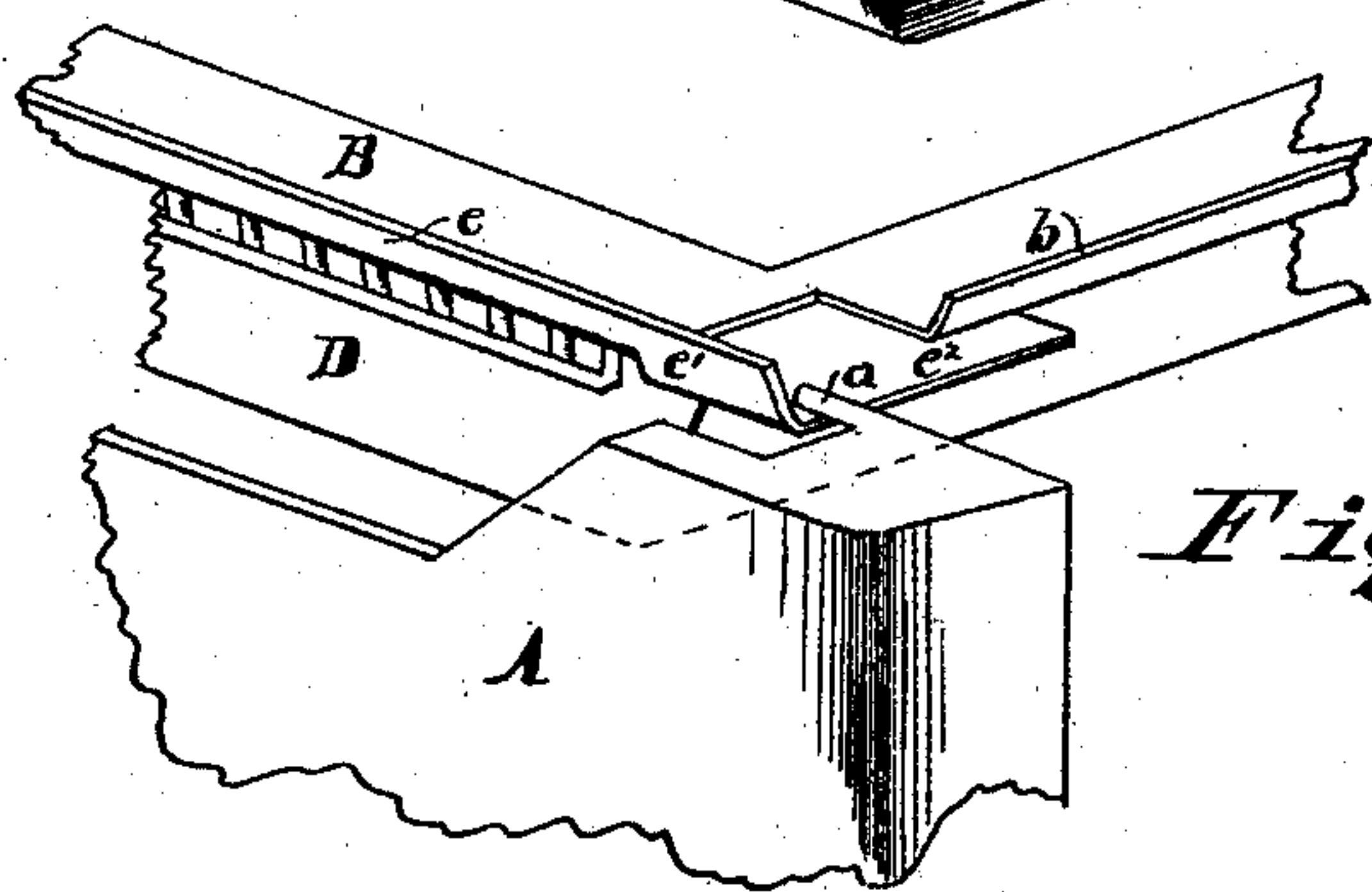
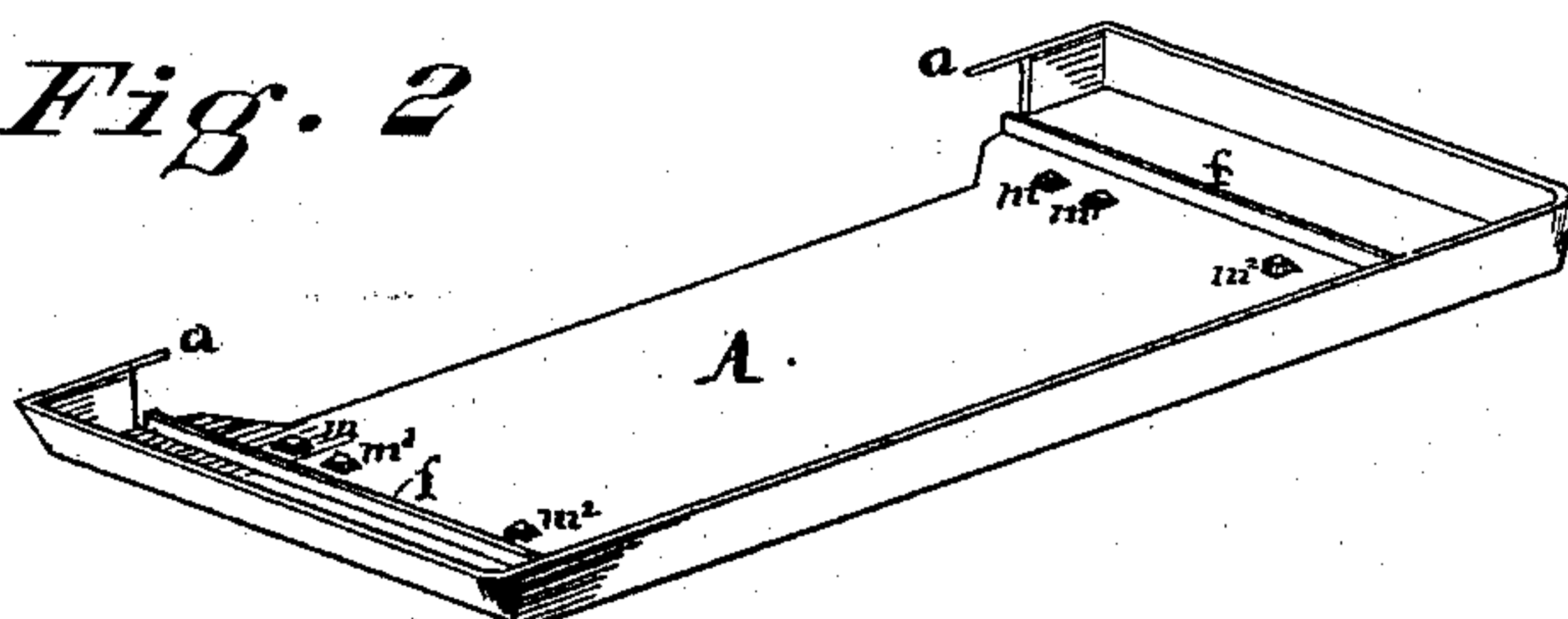


Fig. 3

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JOHN T. PEET, OF CINCINNATI, OHIO, ASSIGNOR TO REDWAY & BURTON,
OF SAME PLACE.

STOVE-HEARTH.

SPECIFICATION forming part of Letters Patent No. 235,803, dated December 21, 1880.

Application filed June 1, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. PEET, of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Stove-Hearths, of which the following is a specification.

My invention, while especially designed for cook-stoves, is applicable to any stove having a metallic hearth.

One feature of my invention consists of a drop-hearth and a device for supporting the same horizontally connected rigidly to a stove, combined in such a manner that the hearth may at will be caused to assume a vertical position.

Some of the advantages resulting from the employment of this feature of my invention are, first, in removing ashes from the ash-pit, whether located within the stove or under the hearth when closed, the hearth when dropped is out of the way of the operator; secondly, in cases where the hearth when closed covers an ash-pit and coals have been drawn out into the latter for broiling or roasting purposes, the hearth can be dropped wholly out of the way of the operator.

Another feature of my invention consists in such a construction of the hearth and its supporting-frame that the hearth may be drawn out and caused to remain securely either in a horizontal position or to drop and hang vertically from the supporting-frame, according to the wish of the operator, thereby preventing any accidental shifting or dropping of the hearth.

Various modes of constructing the hearth and its supports in order to utilize my invention can be employed.

In the subjoined description I have set forth one mode of applying the aforementioned features of my invention, and this particular mode of application thereof is also of my invention.

In the accompanying drawings, forming part of this specification, Figure 1 represents the front part of a cook-stove to which my invention is applied, showing the frame for supporting the hearth and the latter depending from the front end of the said frame. Fig. 2 is a view of the under side of the hearth; and

Fig. 3 is an enlarged view of one corner of a hearth and its supporting-frame provided with an ash-pit, and showing more clearly that method of constructing the hearth and its supporting-frame in relation to one another which is shown in Fig. 1.

A indicates the hearth. The latter is provided with a downwardly-projecting flange extending around three sides, and terminating at the rear side in the arms or lugs *a*.

B indicates the frame which supports the hearth. This frame is connected to the front of the stove C in any suitable manner. The end sides of the frame are each provided with an upwardly-extending flange, *b*, and the front side has an upwardly-projecting flange, *e*. The front corners of the frame are cut away, as shown at *d*. Each end of the front flange, *e*, aforesaid is provided with a downward extension, *e'*, terminating in the horizontal portion *e*², which horizontal portion extends for a short distance under the frame B.

The under side of the hearth is provided with two ridges or guides, *f*, which, when the hearth is in a horizontal position and resting upon the flanges *b*, fit against the inner faces of the latter, and thereby prevent any lateral movement of the hearth on the frame as it is moved forward or backward over said frame. The under side of the hearth is also provided with the studs *m m' m*².

The hearth is placed in position above the supporting-frame by introducing the arms *a* through the openings *d* in the frame B until the arms will pass under the frame, whereupon the hearth is pushed along on the frame B. In order to set the hearth in a horizontal position, the front end, when the studs *m m' m*² on the under side of the hearth are present, must be elevated slightly above a level, so that the studs *m* will pass over the flange *e*. When the studs *m* have passed over the flange the front of the hearth may be lowered, and the hearth will then lie horizontal, resting upon the flange *e*, and being prevented from dropping by the arms *a* being underneath the frame B. The hearth now lies horizontally, and is extended for its greater portion forward beyond the edge of flange *e*. The studs *m* being on one side of the flange *e* and the studs *m'*

being on the other side of the said flange, the hearth can neither be moved toward or from the stove while it remains in a horizontal position. The provision of the studs m m' prevents the hearth being pushed out when accidentally struck, and thereby dropped along with any articles placed thereon. To slide the hearth farther back the latter is raised so that the studs m' will clear the flange e , and the hearth is then pushed as far as desired toward the stove-front. When pushed clear up to said front and then lowered the stud m^2 will come inside of or behind the edge of flange e , and thus securely prevent the hearth from being drawn out until the front end of the latter is again elevated. The hearth can be drawn out in the same manner as it is slid back, and when, in drawing it forward, the arms a come in proximity to flange e the hearth can be dropped to a vertical position.

When desired an ash-pit can be combined with the supporting-frame B in any suitable manner. Fig. 3 shows a supporting-frame provided with ash-pit D.

The notches d enable the arms a to be passed down below the supporting-plate, or to be passed up from below the latter, thus enabling the hearth to be readily attached to or detached therefrom.

The drop feature of my invention may be used without the other features, and in this connection it may be remarked that any or all of the flanges b , e , or f may be dispensed with and the hearth A, provided with the arms a , be successfully operated upon the supporting-frame.

Other modes of construction (than that heretofore specified) for enabling a hearth supported by and in combination with a rigid supporting-frame, e , to assume a vertical position may suggest themselves to the manufacturer; but any such construction will fall within the scope of my invention.

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

1. In a stove, a sliding hearth and its supporting-frame, provided with and in combination with means, substantially as described, whereby it may be caused either to assume and maintain a horizontal position upon the supporting-frame or to hang in a vertical position therefrom, substantially as and for the purposes set forth.

2. A hearth provided with arms a , in combination with a supporting-frame, B, and means for supporting said arms when the hearth is dropped, substantially as and for the purposes specified.

3. A hearth provided with arms a , in combination with frame B, provided with plate e^2 , substantially as and for the purposes specified.

4. A hearth provided with arms a , in combination with a supporting-frame provided with flanges b and means for supporting said arms when the hearth is dropped, substantially as and for the purposes set forth.

5. The combination of hearth A, provided with arms a and studs, as m m' m^2 , and a supporting-frame having flange e and extension e' e^2 , substantially as and for the purposes set forth.

6. The combination of hearth A, provided with arms a and guides f , and a supporting-plate having flanges b and extension e^2 , substantially as and for the purposes specified.

7. The combination of hearth A, provided with arms a and guides f and studs m' m^2 , and a supporting-frame having extension e^2 , flanges b , and flange e , substantially as and for the purposes specified.

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Attest:

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