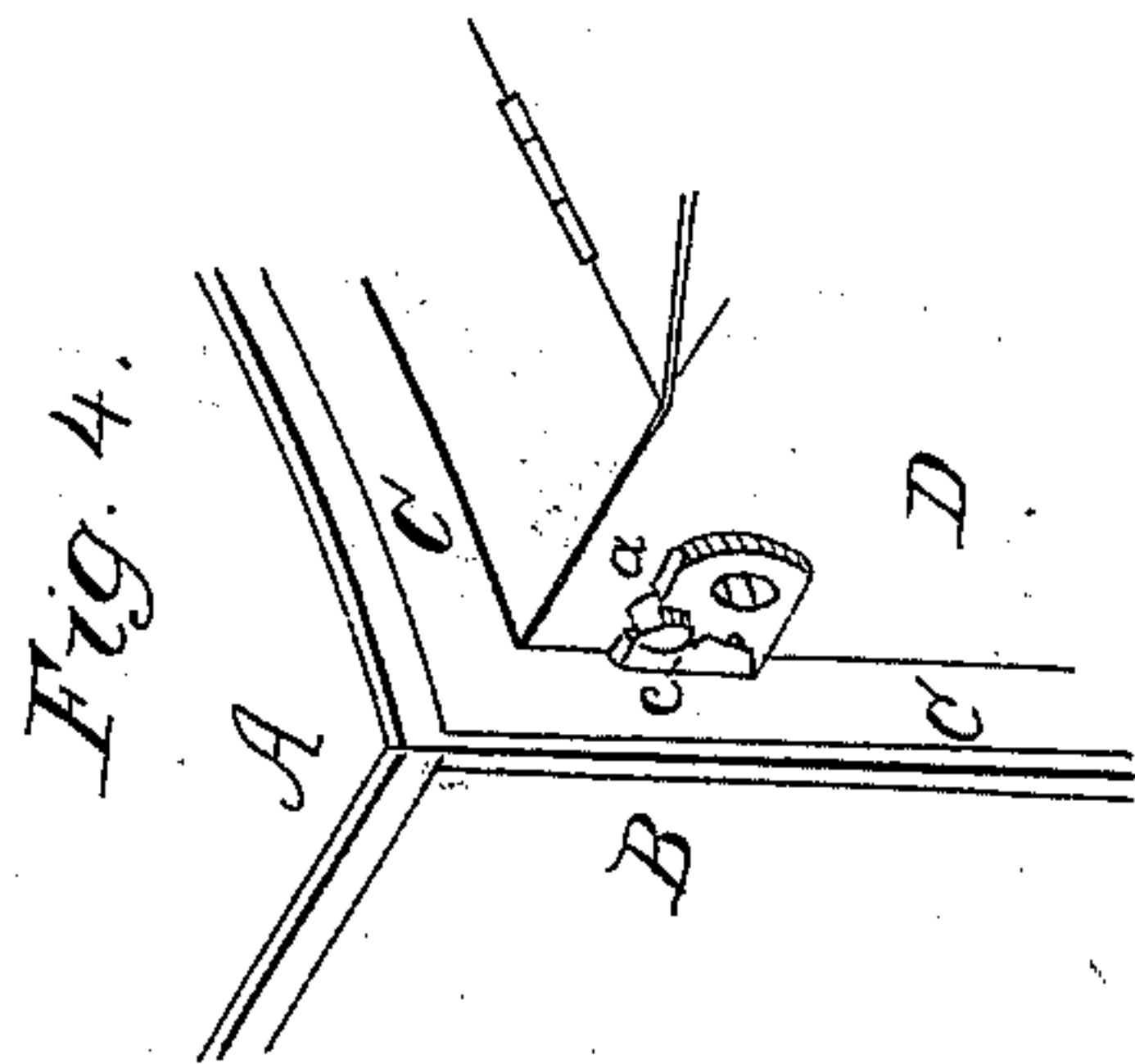
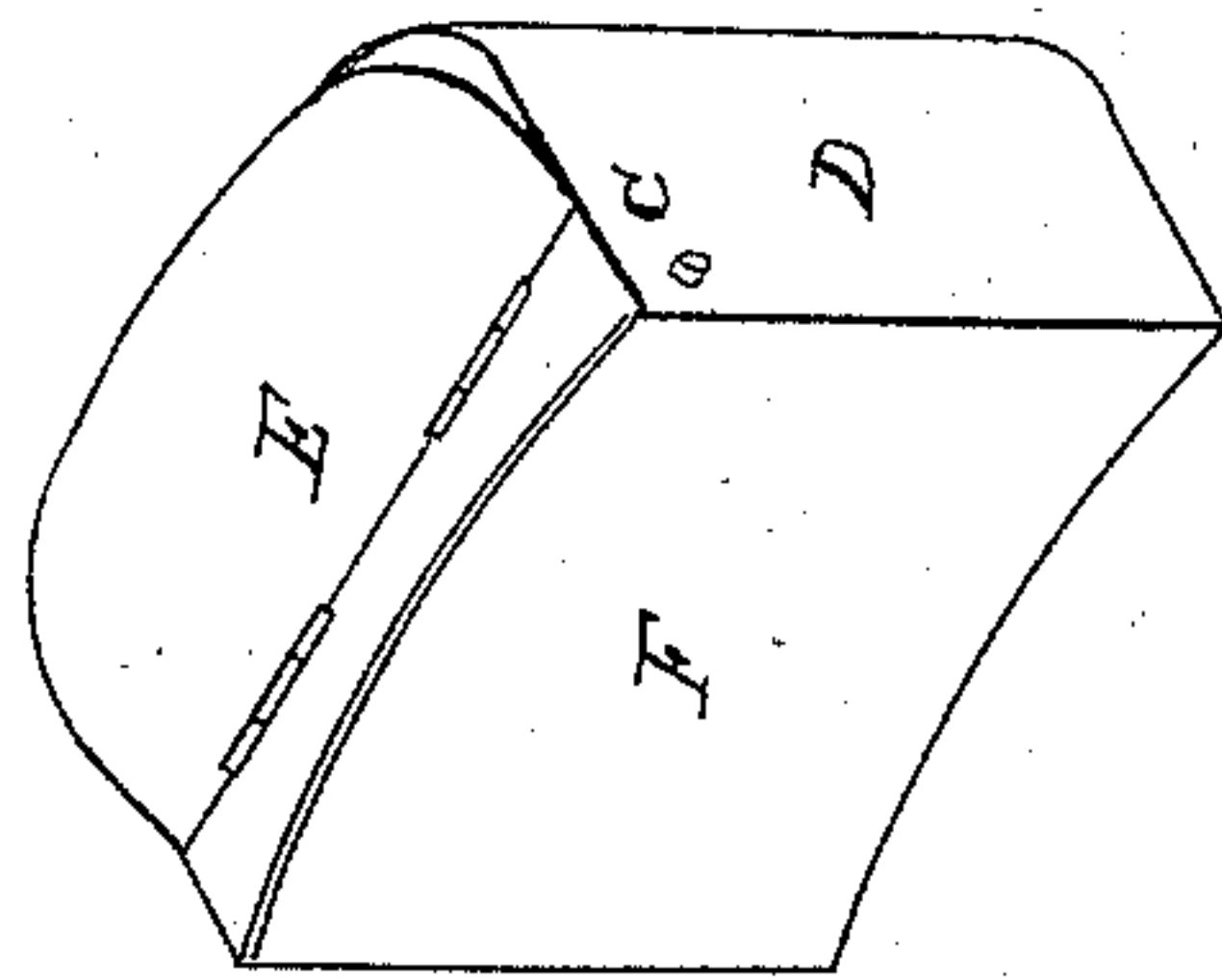
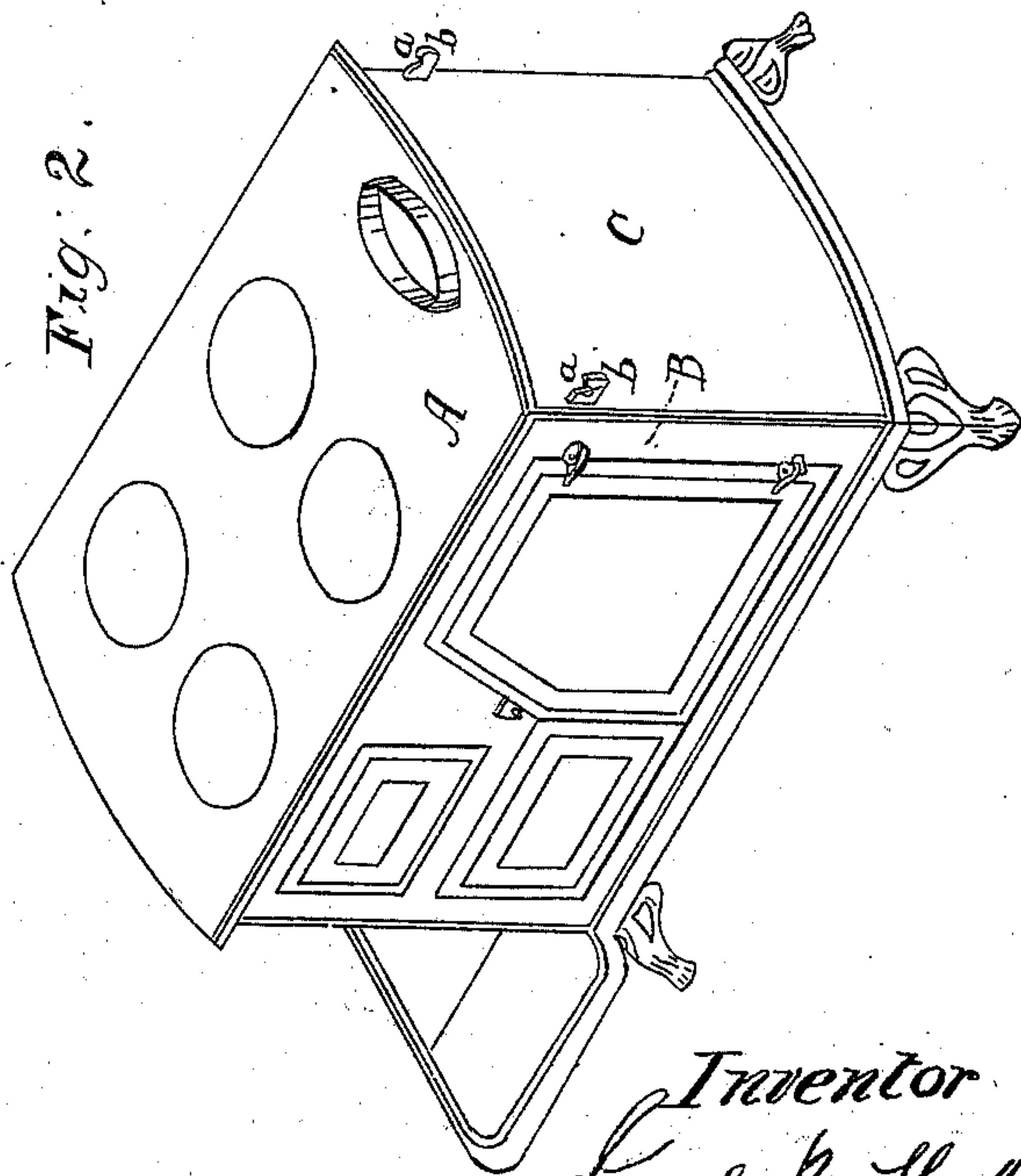
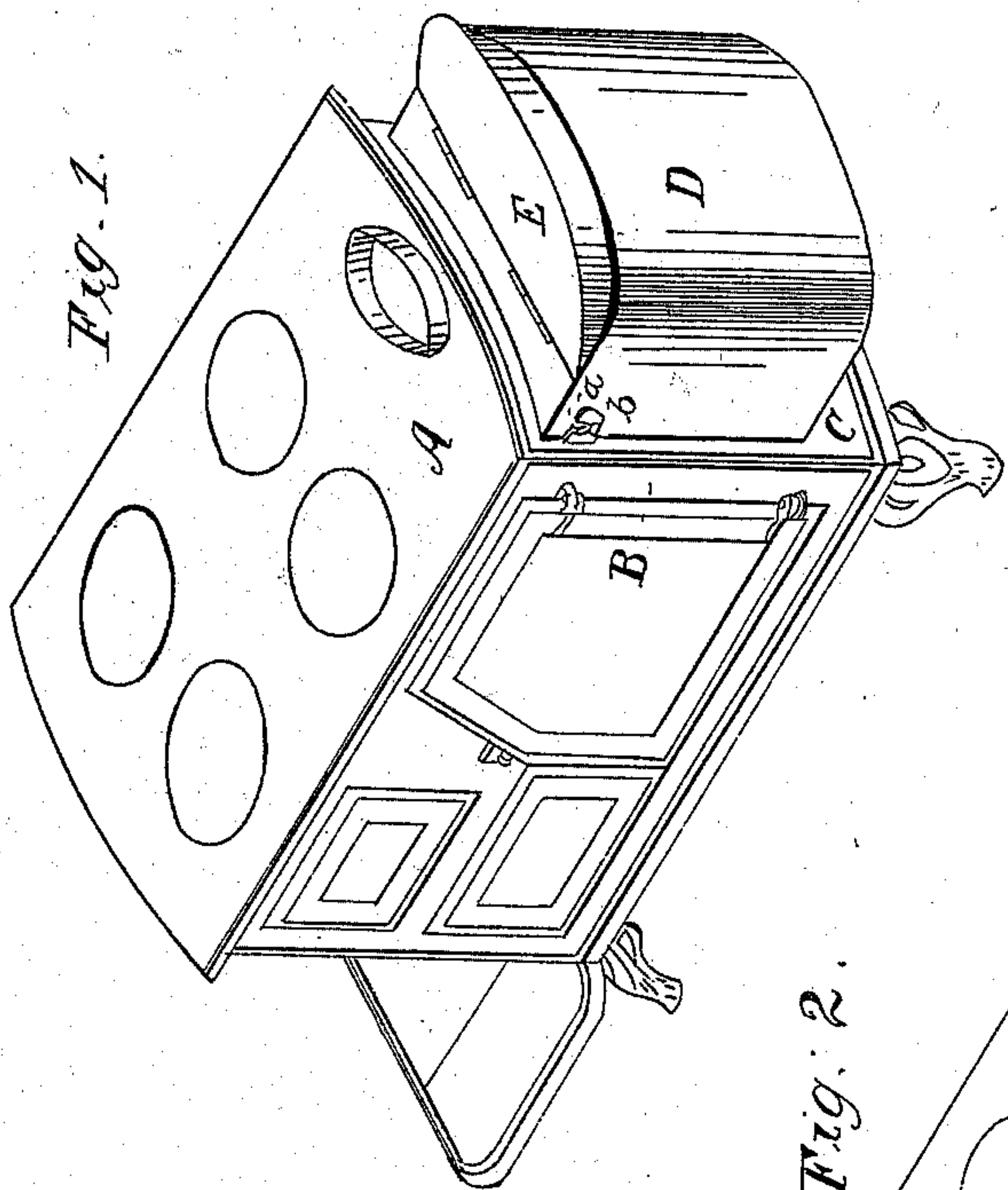


J. R. HYDE.

Stove.

No. 35,564.

Patented June 10, 1862.



Witnesses  
Marcus P. Norton  
Mrs. L. Warren

Inventor  
James R. Hyde



# UNITED STATES PATENT OFFICE.

JAMES R. HYDE, OF TROY, NEW YORK, ASSIGNOR TO CHARLES EDDY & CO.,  
OF SAME PLACE.

## IMPROVEMENT IN STOVES.

Specification forming part of Letters Patent No. 35,564, dated June 10, 1862.

*To all whom it may concern:*

Be it known that I, JAMES R. HYDE, of the city of Troy, county of Rensselaer, and State of New York, have invented a new and useful Improvement in Adjusting Boilers to Stoves; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, and to letters of reference marked thereon.

Like letters represent like parts.

Figure 1 is a perspective view showing the stove with boiler attached in the manner hereinafter described and set forth. Fig. 2 is a perspective of the stove, showing the back thereof and the respective parts thereto attached by which the boiler is attached to the back of the stove. Fig. 3 is a perspective view of the boiler, showing the construction of the same. Fig. 4 shows the combination of parts, hereinafter described and set forth, by which the boiler is adjusted to the stove. It also shows the manner in which the adjustment is made.

The nature of my invention consists in adjusting boilers to the back or sides of stoves by means of projections from the same, at or near the upper part thereof, so that a pin or part projecting from the sides of the boiler shall fall into the top of the bracket projecting out from the sides of the stove, whereby the boiler is pressed against the back or side of the stove, when the same may be adjusted by means of the weight of water contained in the boiler.

To enable others skilled in the art to which my invention relates to make, construct, and use the same, I will here proceed to describe the construction thereof, which is as follows, to wit:

I construct upon the back or side piece where I wish the boiler adjusted, at or near the top of the same, a bracket. (Shown at *b*, Figs. 1, 2, and 4.) This bracket projects outward from the stove to any required distance, and is cast upon and with the stove-plate. It has a notch or recess, *a*, same figures, in the top thereof, of sufficient depth to receive a pin or bracket projecting outward from the side of the boiler, by means of which the said boiler is connected and firmly held to the stove,

which pin or bracket is seen at *c*, Figs. 3 and 4, also at Fig. 1. This pin or bracket may be a rod of iron passing entirely across the boiler upon the inside thereof, and projecting through each side far enough to connect with the said bracket *b* upon the stove, and hereinbefore described. It may also be cast with the top part of the boiler-plate, which is of cast-iron, by projecting downward from the under side and then outward through the respective sides of the said boiler, which is made of tin and copper or other material, as desired. It may also be connected with the bracket *b*, Fig. 4, and adjusted to the stove by means and use of a bolt, (seen at *d*, same figure,) which shall extend through said bracket, also through the side of the boiler, and upon the inside thereof have a nut and screw. The back of the stove, *C*, Figs. 1, 2, and 4, is somewhat curved. The side *F* of the boiler *D* is also curved, so as to correspond to and with the back of the stove, so that, by means of the weight of the water in the said boiler pressing downward in obedience to a natural law, that part of the said boiler shall be pressed against a corresponding part of the stove, whereby the said water in said boiler is heated.

Boilers thus adjusted to stoves are more convenient and durable than has heretofore been accomplished. The advantages gained thereby suggest themselves to the mind of the party concerned, with description here.

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

The suspending of the said boiler *D* at the upper corners thereof next adjoining the stove, by means of the brackets *b b*, in combination with the brackets *c c*, projecting from the said boiler *D* into the recess *a* of brackets *b b*, so that by the weight of the water in the said boiler it will be brought into close conjunction to and with the stove thus connected with said boiler, substantially as herein described and set forth.

In testimony whereof I have hereunto set my hand.

JAMES R. HYDE.

Witnesses:

MARCUS P. NORTON,  
WM. L. WARREN.