

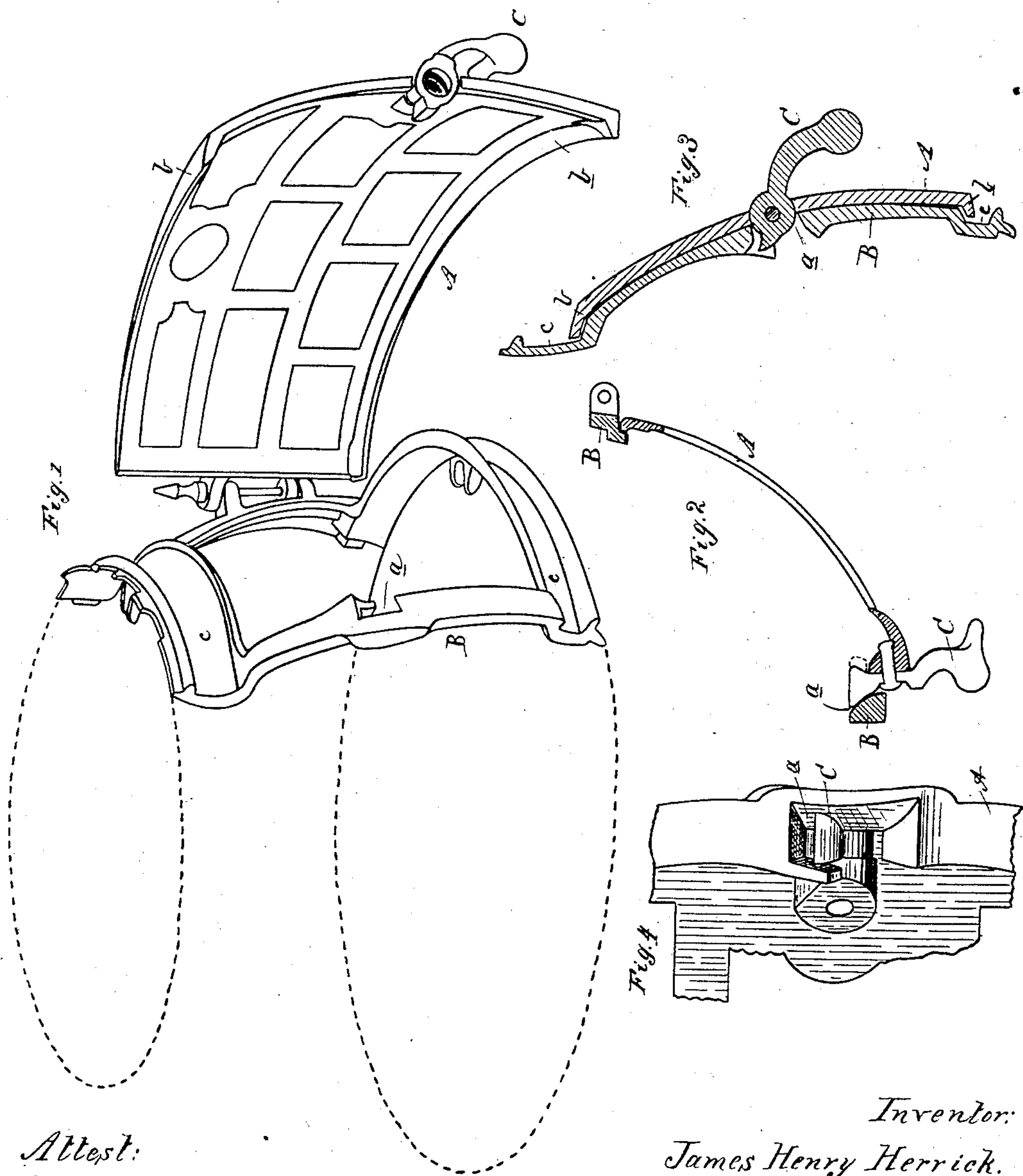
(No Model.)

J. H. HERRICK.

STOVE DOOR.

No. 333,857.

Patented Jan. 5, 1886.



Attest:
John Schuman.
Atty

Inventor:
James Henry Herrick.
by his Atty
Thos L. Sprague

UNITED STATES PATENT OFFICE.

JAMES HENRY HERRICK, OF LONDON, ONTARIO, CANADA, ASSIGNOR OF
ONE-HALF TO WM. M. GARTSHORE, OF SAME PLACE.

STOVE-DOOR.

SPECIFICATION forming part of Letters Patent No. 333,857, dated January 5, 1886.

Application filed June 25, 1885. Serial No. 169,716. (No model.)

To all whom it may concern:

Be it known that I, JAMES HENRY HERRICK, of London, in the county of Middlesex and Province of Ontario, Canada, have invented
5 new and useful Improvements in Stove-Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 This invention relates to certain new and useful improvements in stove-doors; and the invention consists in the peculiar construction and arrangement of a pivoted lever dovetail latch designed to engage with a dovetail
15 recess in the frame, and by means of which the door may be securely held in its closed position, all as more fully hereinafter set forth.

Figure 1 is a perspective view of one of the
20 mica sections of a stove provided with my improved door. Fig. 2 is a horizontal section with the door closed. Fig. 3 is a vertical section through the locking-lever with the parts engaged. Fig. 4 is an inside perspective, showing position of the lever when the
25 parts are engaged.

In the accompanying drawings, which form a part of this specification, A represents a stove-door, and B its frame, and to which it is pivotally hung in any of the known and
30 preferred ways.

C is a lever, pivotally secured within a recess formed in the edge of the door, at a suitable point, by means of a rivet or otherwise. The inner arm of this lever is made short and
35 of a dovetail form in horizontal section, while its longer and outer arm is bent downwardly to conform somewhat to the shape of the door upon which it is to be used, and to be out of the way when door is closed. In the corre-

sponding edge of the frame B is formed a
40 dovetail recess, *a*, adapted to engage with the short arm of the lever, upon one or more sides, when the door is closed.

In practice the door is closed, the short arm entering the dovetail recess *a*, the longer arm
45 of the lever being raised into nearly a horizontal position. By now depressing this end of the lever the dovetail arm slides up the inclined sides or dovetail recess *a* and draws the door firmly to place, and it cannot be opened
50 without first again raising the lever.

As the obtaining of a tightly-closing door for stoves arranged for burning anthracite coal is quite a desideratum, practice has demon-
55 strated that the device herein described fully answers this purpose, and is less liable to become inoperative than any of the turn-buckles usually employed.

The door is provided at top and bottom with an inwardly-projecting flange, *b*, which,
60 when the door is closed, fits into recesses *c* in the frame B and further assists in keeping the same dust and smoke tight.

What I claim as my invention is—

In a stove, the combination, with the frame
65 B, having recesses *c* and dovetail recess *a*, as described, of the door A, pivoted to said frame, and provided at top and bottom with an inwardly-projecting flange, *b*, and at its edge with a recess, as shown, and a lever pivoted
70 in said recess, the short arm of said lever being dovetail in form, substantially as and for the purpose specified.

JAMES HENRY HERRICK.

Witnesses:

H. S. SPRAGUE,
JAY H. CLARK.