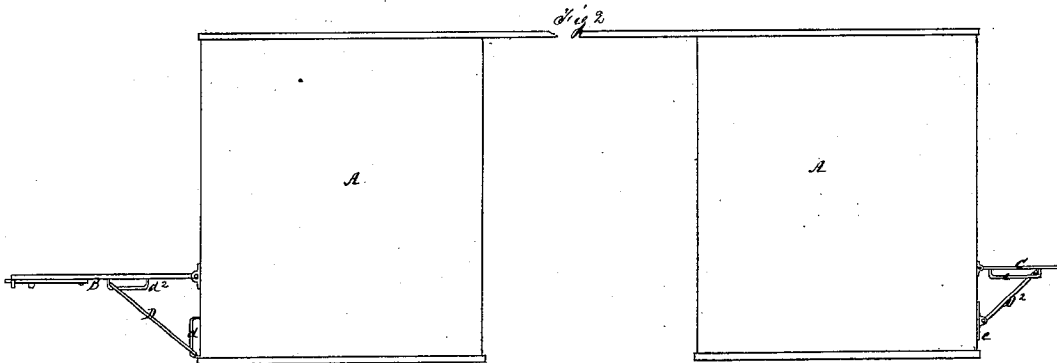
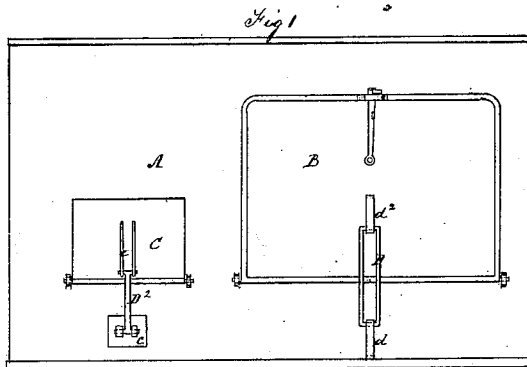


DEANE & SHEDD.  
Stove Door Support.

No. 110,747.

Patented Jan. 3, 1871.



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# United States Patent Office.

ROYAL E. DEANE AND THOMAS SHEDD, OF NEW YORK, N. Y.

Letters Patent No. 110,747, dated January 3, 1871.

## IMPROVEMENT IN DOORS FOR RANGES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, ROYAL E. DEANE and THOMAS SHEDD, of the city, county, and State of New York, have invented, made, and applied to use, Improved means for holding in position the Doors of Ranges, Stoves, or Cooking-Stoves; and that the following is a full, clear, and exact description of our invention, reference being had to the accompanying drawing making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a front view of a cooking-range provided with our improvement.

Figure 2 is an end view of the same.

In the drawing like parts of the invention are designated by the same letters of reference.

The nature of the present invention consists in the construction, as more fully hereinafter set forth, of improved means for holding in position the doors of ranges, stoves, and cooking-stoves, the invention being applicable more particularly to cooking-ranges; the object of the invention being to provide efficient and economical means for carrying out the purpose already set forth.

To enable those skilled in the art to make and use our invention, the following description of its construction and operation will be found sufficient.

A shows a cooking-range, to which our improvement has been applied, and

B is the oven-door, and

C a door giving access to the combustion-chamber of the range.

Both the doors B and C are hinged at their bottom edge, and are intended to be moved outward from the vertical position they occupy when closed into a horizontal or nearly horizontal position, as shown in fig. 2 of the drawing, that access may be had to the interior of the oven or of the combustion-chamber.

That the doors B and C may be supported in this horizontal, or nearly horizontal position, the levers D and D<sup>2</sup> are employed.

The lever D is slotted very nearly its full length, and one end of the same is inserted beneath the loop *d*, secured upon the face of the range below the bottom line of the door B a sufficient distance to accom-

plish, in connection with the loop *d*<sup>2</sup>, beneath which the opposite end of the lever is inserted, the desired object.

The loop *d*<sup>2</sup> is secured upon the face of the door B, in line with the loop *d*, secured upon the face of the range, and as the door B is moved outward, and descends into the horizontal or nearly horizontal position, the lower end of the slotted lever D passes down beneath the loop *d* to its full extent, while the upper end of the same passes upward beneath the loop *d*<sup>2</sup>, to its full extent, and stops the door B, and holds the same in the horizontal or nearly horizontal position shown in fig. 2 of the drawing.

In the case of the door C, one end of the lever D<sup>2</sup> is secured upon a rod, free to turn beneath the plates *c*, secured upon the face of the range a sufficient distance below the bottom of the door C, so that when the door is moved outward and depressed, the upper end of the lever D<sup>2</sup>, inserted beneath the loop *e*, secured upon the face of the door C shall move upward beneath the same a sufficient distance to allow the door to assume a horizontal or nearly horizontal position, as seen in fig. 2 of the drawing, and then to stop and support the door C in such position.

Either mode shown for attaching the lower end of the supporting lever may be availed of, the effect in both cases being the same.

Having thus described our invention,

What we claim as new is—

The combination, with a door, B or C, of a supporting-lever D or D<sup>2</sup>, one end of which shall be held upon a rod or inserted beneath a loop secured upon the face of a range or stove, while its opposite end shall be inserted beneath a loop secured upon the door B or C, when the same shall be constructed and operated substantially as and for the purposes set forth.

ROYAL E. DEANE.  
THOMAS SHEDD.

Witnesses:

A. SIDNEY DOANE,  
WM. HASTINGS.