

(No Model.)

J. THOMPSON.  
FASTENING FOR OVEN DOORS.

No. 451,085.

Patented Apr. 28, 1891.

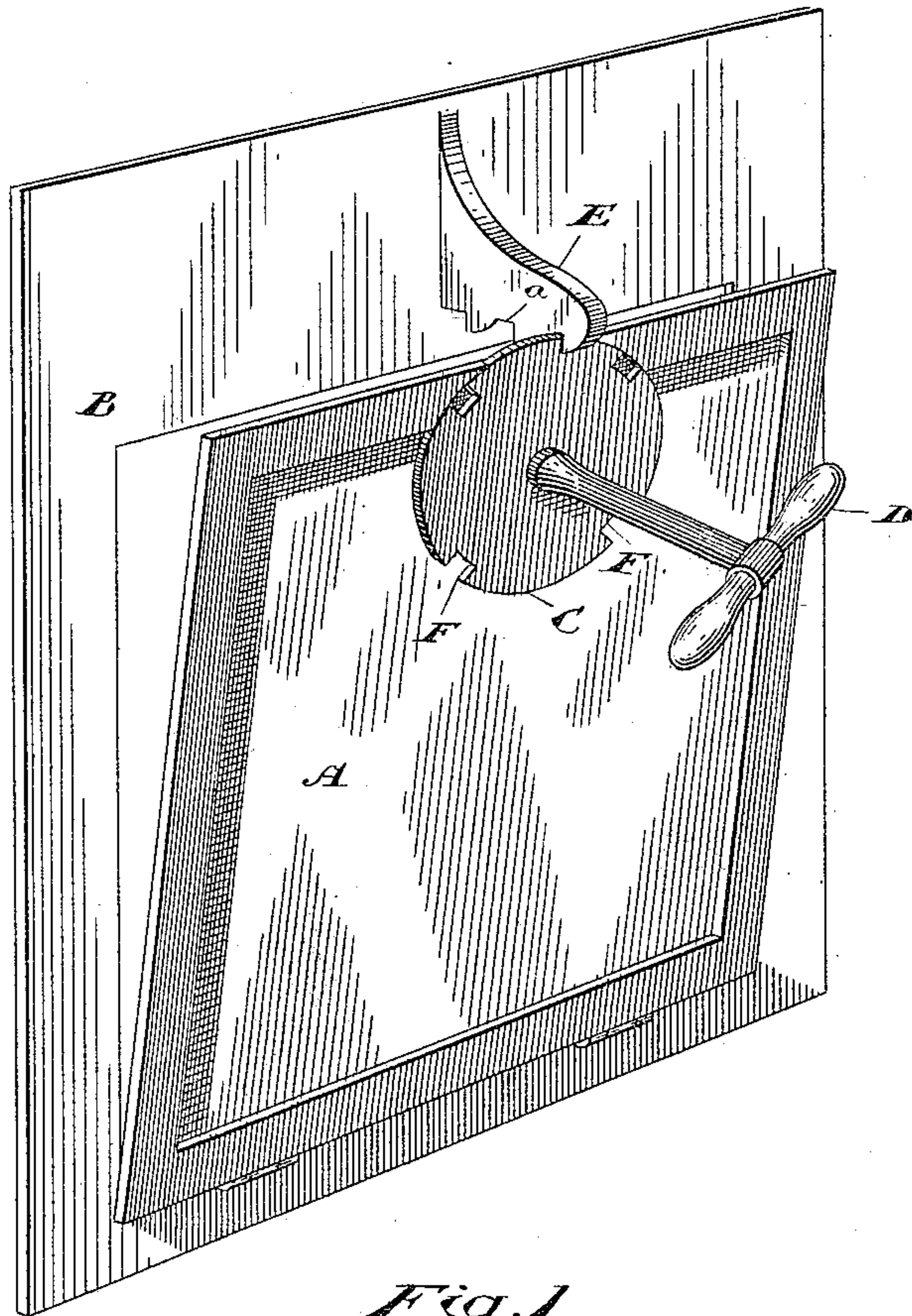


Fig. 1

Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES THOMPSON, OF TORONTO, CANADA.

## FASTENING FOR OVEN-DOORS.

SPECIFICATION forming part of Letters Patent No. 451,085, dated April 28, 1891.

Application filed October 23, 1890. Serial No. 369,086. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES THOMPSON, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented a certain new and Improved Fastening for an Oven-Door, of which the following is a specification.

The object of the invention is to design a simple fastening for an oven-door by which the said door may be held shut or partially open, as desired; and it consists, essentially, of a disk pivoted on the door and provided with a suitable handle, the edge of the disk projecting beyond the door to permit it to engage with a toothed projection formed upon or fixed to the door-frame, one or more notches being made in the disk, substantially for the purpose hereinafter explained.

Figure 1 is a perspective view of an oven-door held partially open by my improved fastening.

In order to cool down an oven it is necessary at times to hold the door partially open, more or less, according to the condition of the oven.

In the drawing, A represents an oven-door, and B the door-frame.

C is a disk pivoted on the door A and located to project beyond the edge of the door.

D is a handle fixed to the disk C.

E is a projection extending from the frame B immediately above and in proximity to the upper edge of the door A. A series of teeth *a* are formed on the bottom edge of the projection E. One or more notches F are made in the disk C. Owing to the position of the projection E and disk C, it is necessary when the door is to be closed, to turn the disk so as to bring one of the notches F opposite to

the projection E, when the door may be closed, and by again turning the disk its edge may be brought between any of the teeth *a* desired, in order to hold the door open the desired distance.

I am aware of the United States Patent No. 114,497, and make no claim to anything shown therein, as I consider my invention as essentially different from the device shown in that patent. In the device there shown the fastening device necessarily projects into the fire-box, and if made long enough to admit three or more adjusting-teeth, or even of two teeth, it would be in danger of burning off, whereas in my construction the entire fastening is outside, and hence there is no danger of its being burned off, no matter how many teeth are provided.

What I claim as my invention is—

1. A disk C, having one or more notches F made in its periphery and pivoted to the door A, so that it shall project beyond the edge of the said door, in combination with a projection E, attached to the exterior of the frame, having a series of teeth *a* made in its bottom edge, substantially as and for the purpose specified.

2. A door A, provided with a notched disk C, pivoted on its exterior and projecting beyond the edge of said door, in combination with the toothed projection E, attached to the exterior of the frame, substantially as described.

Toronto, September 23, 1890.

JAMES THOMPSON.

In presence of—

CHARLES C. BALDWIN,  
GEORGE THOMPSON.