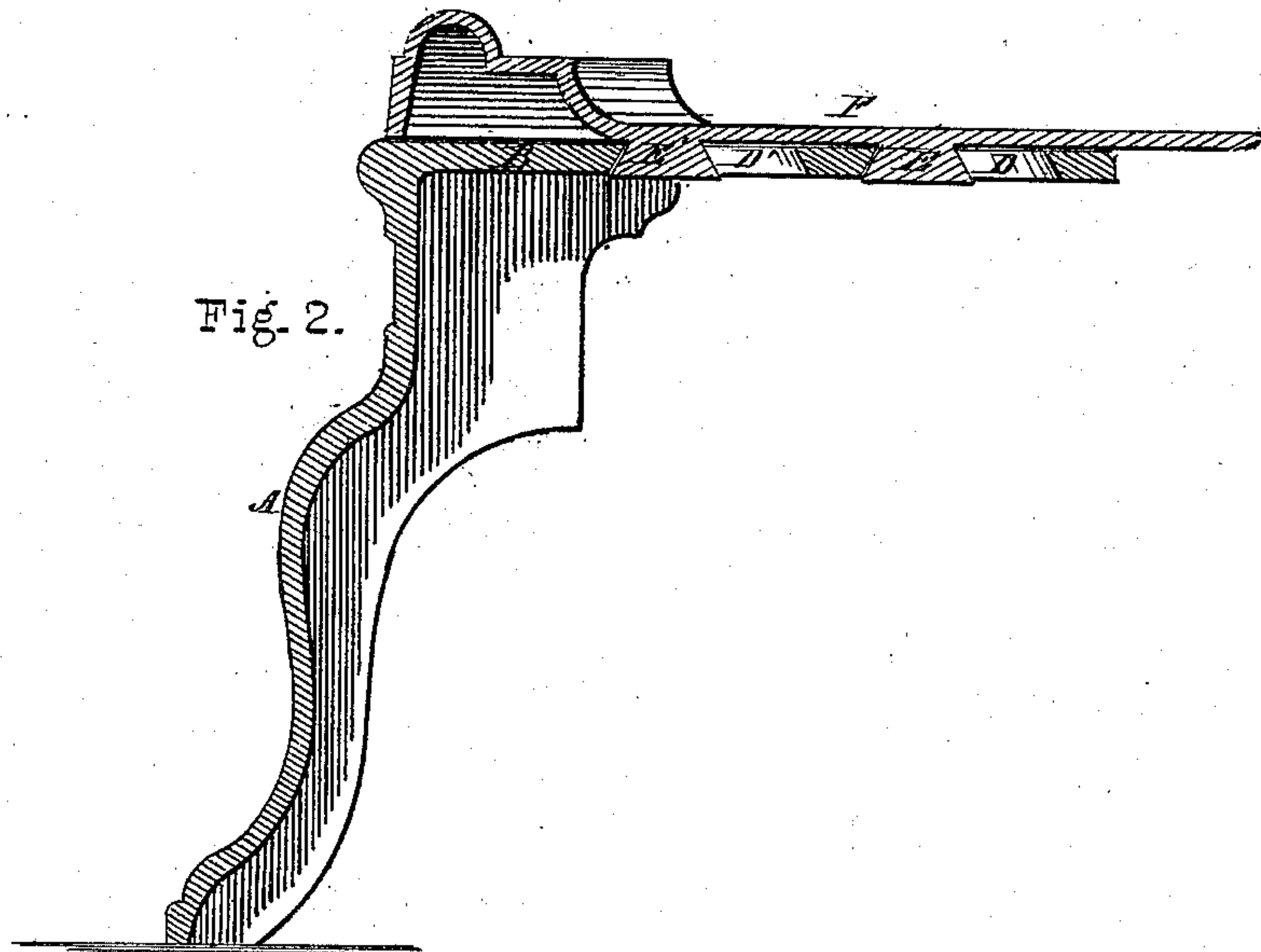
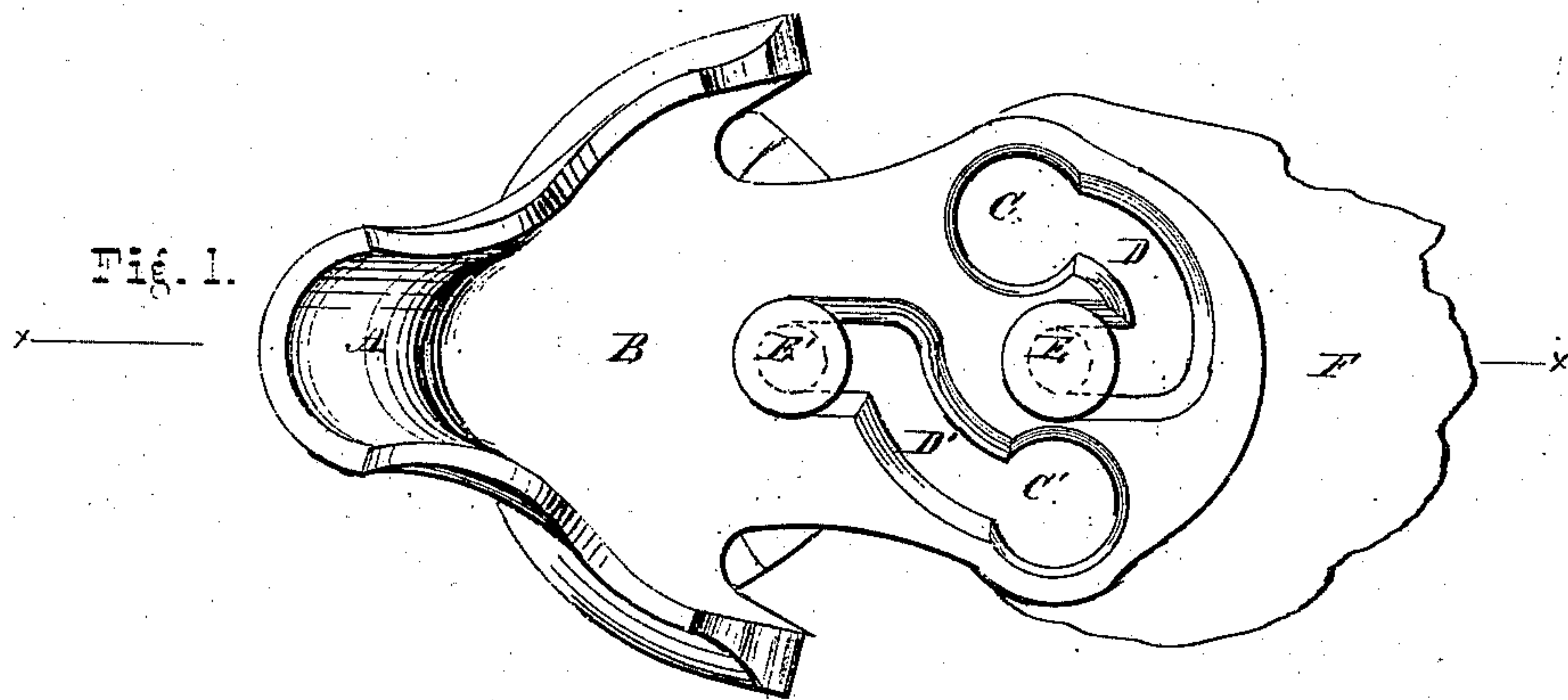


D. L. BATES.

Stove Leg.

No. 106,650.

Patented Aug. 23, 1870.



Witnesses.

*Ad. M. M. M.*  
*Sam. J. M. M.*

Inventor.

*Daniel L. Bates*  
*by Orin M. M. M.*

Atty.

# United States Patent Office.

DANIEL L. BATES, OF DAYTON, OHIO.

Letters Patent No. 106,650, dated August 23, 1870.

## STOVE-LEG.

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

*To all to whom it may concern:*

Be it known that I, DANIEL L. BATES of Dayton, in the county of Montgomery and in the State of Ohio, have invented certain new and useful Improvements in Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a plan view of the lower side of my improved stove-leg, showing the means employed for attaching it the stove, and

Figure 2 is a vertical central section of the same, on the line  $x x$  of fig. 1.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is to provide a means whereby a stove-leg may be securely locked or fastened to or upon a stove, and yet be easily and quickly removed therefrom when desired; and

It consists in the employment within the upper or horizontal portion of the leg, of two peculiar-shaped slots, for the reception of, and in combination with, two studs or pins, secured to and projecting downward from the bottom plate of the stove, as is hereinafter set forth.

In the annexed drawing—

A represents the body or vertical portion of a stove-leg, having secured to and projecting horizontally inward from its upper end a flange, B, constructed in the general form shown in fig. 1.

Passing vertically through the flange B, near its rear end, and upon opposite sides thereof, are two circular openings, C and C', from the rear side of the first of which a slot, D, extends rearward and inward in a curve to the longitudinal center of said flange, and from thence passes directly forward for a short distance in a straight line; while from the second-named opening, C', a slot, D', curves forward and inward to the center of said flange, and from thence extends directly forward in the same line, and to an equal distance with the slot D.

The sides of the openings C are vertical, while the sides of the slots D slope outward at an angle of about forty-five degrees, so that, while at their lower sides the latter are nearly equal in width to the diameter of the former, their upper sides have a considerably less width.

E and E' represent two studs or pins, secured to and projecting downward from the lower side of the bottom plate F, in a line with the center of the flange B, when in place, and at points corresponding in relative positions to the center of the openings C.

As seen in fig. 2, the sides of the studs E incline inward and upward at an angle corresponding to that of the sides of the slots D, and have a sufficient diameter to closely fill the same, so that, when the openings C are passed over said studs, and the leg turned so as to cause them to enter said slots, the flange B will be held firmly against the plate F.

In order to attach the leg to the stove, the openings C are passed over the pins, and the flange turned until said pins have passed through the curved portion of the slot D, and entered the straight parts of the same, when, by pressing said leg directly inward, the front ends of said slots are caused to firmly embrace said pins, and thereby lock said leg securely in position. To remove the leg, it is drawn forward until the pins have entered the curved position of the slots, turned one-fourth of a revolution to the right, and then dropped downward.

It will be readily seen that, while easily attached to or removed from a stove, it would be impossible for the leg to become accidentally detached; and, while possessing these advantages, a stove constructed with this improvement would cost but a trifle more than though the legs were attached thereto in the ordinary manner.

Having thus fully set forth the nature and merits of my invention,

What I claim as new is—

Attaching a leg to a stove by means of two flaring, curved, and straight slots, D and D', provided within the horizontal portion of said leg, and so arranged as to receive and embrace two upward-tapering pins or studs, E and E', secured to or upon the bottom plate of the stove, substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this 15th day of June, 1870.

DANIEL L. BATES.

Witnesses:

JACOB C. STALEY,  
THOS. D. MITCHELL.