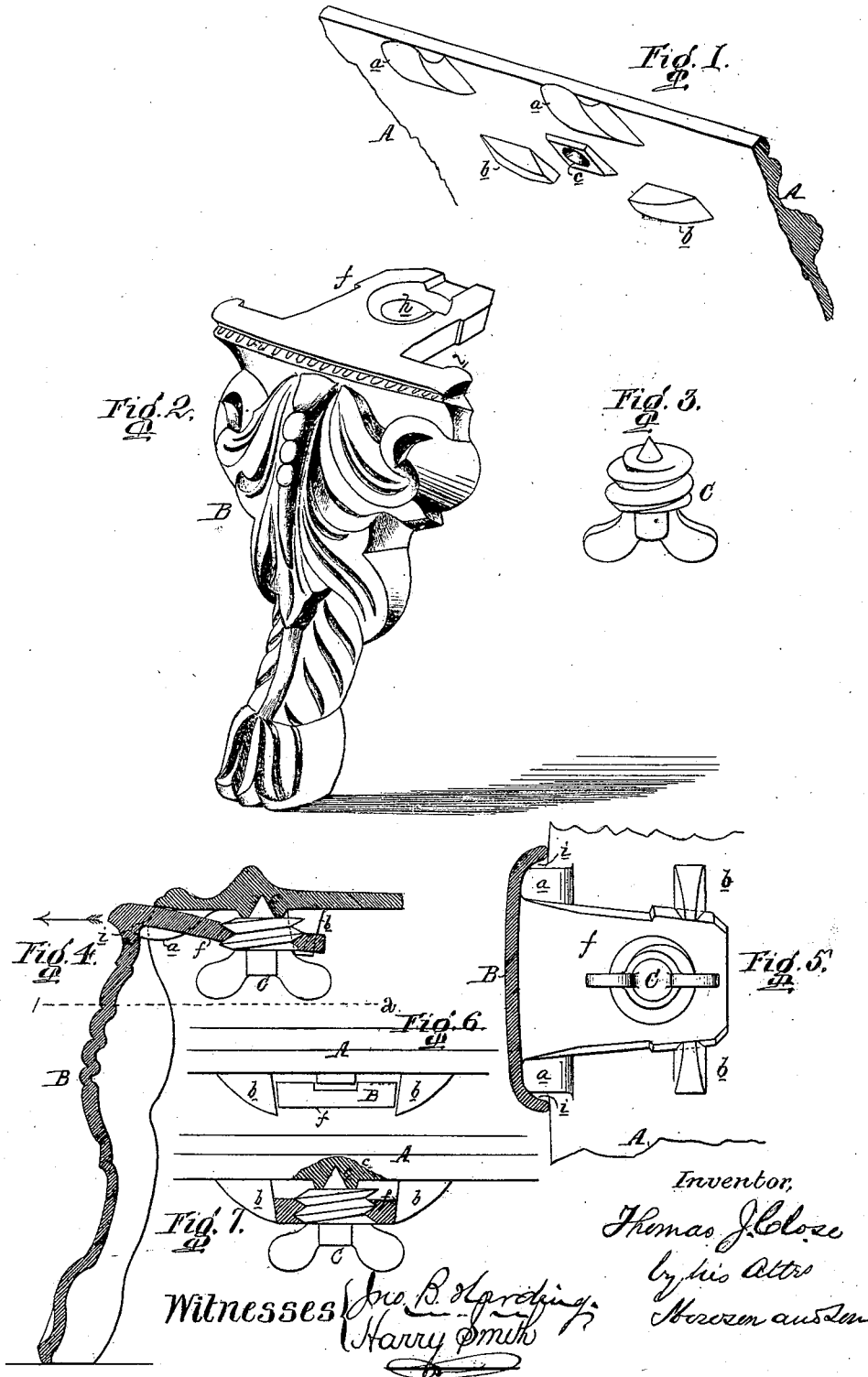


T. J. CLOSE.

Stove Leg.

No. 113,142.

Patented Mar. 28, 1871.



UNITED STATES PATENT OFFICE.

THOMAS JEFFERSON CLOSE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN STOVE-LEGS.

Specification forming part of Letters Patent No. **113,142**, dated March 28, 1871.

I, THOMAS JEFFERSON CLOSE, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improvement in Attaching Feet to Stoves, &c., of which the following is a specification:

Nature and Object of the Invention.

My invention consists of a method, too fully described hereafter to need preliminary explanation, of securely and readily attaching feet to stoves, safes, refrigerators, heavy articles of furniture, &c.

Description of the Accompanying Drawing.

Figures 1, 2, and 3 are perspective views of part of the bottom plate of a stove, of a stove-foot, and of the screw by which the said foot is attached to the stove in accordance with my invention; Fig. 4, a sectional view, showing the fastening complete; Fig. 5, an inverted sectional plan view on the line 1 2, Fig. 4; and Figs. 6 and 7, rear views of Fig. 4.

General Description.

A represents part of the hearth or bottom plate of a stove; B, a stove-foot, and C a cast-metal thumb-screw, by which the said foot can be secured to the stove, as hereafter described.

Instead of the usual dovetailed groove on the under side of the plate A for the reception of the detachable foot, the said plate has near its front edge two hook-like projections, *a a*, and at the rear of these hooks two lugs, *b b*, the inner edges of which are inclined toward each other, in the manner plainly shown in Figs. 1, 6, and 7. There is also on the under side of the plate A, between its hooks and inclined lugs, a projection, in which is formed a conical recess, *c*, for the reception of the point of the fastening-screw.

The foot B has an arm or extension, *f*, inclined on its opposite edges at an angle corresponding to that of the lugs *b b* of the stove-plate, and having extending through it a threaded opening, *h*, for the reception of the fastening-screw; and in the foot, at each side of the extension *f*, are formed recesses *i*, each adapted to one of the hooks *a* of the stove-plate.

In attaching the foot to the stove its extension *f* is placed between the lugs *b* and hooks *a* until the latter enter the recesses *i*, the foot

being then tilted in the manner shown in Fig. 4 by means of the fastening-screw until its extension *f* becomes jammed between the inclined lugs *b* of the stove. The foot, when thus secured, is held firmly in every direction, it being prevented from moving laterally by the hooks and inclined lugs, and from being drawn outward in the direction of the arrow, Fig. 4, by the point of the fastening-screw, which is contained in the conical recess *c*.

It will be observed, on reference to Fig. 6, that the extension *f* of the foot fits loosely between the inclined lugs *b* when held up to the plate, but that when forced outward from the latter, as shown in Fig. 7, it becomes jammed between and tightly held by the said lugs. It will be evident, therefore, that as no accurate fitting of the parts is required, the castings can be used without any of the preliminary chipping and filing which are demanded in fitting ordinary feet to stoves.

I prefer to use the cast screw C as a fastening device; but it will be evident that a block or wedge may be substituted for the same as a means of tilting the foot in order to jam it between the lugs. If a wedge be used, it is merely inserted between the extension *f* and the stove-plate, and in such case the withdrawing of the foot from between the lugs can be prevented by adapting the said lugs to notches cut in the edges of the extension *f*.

My invention, although intended especially for stoves, can be used in connection with safes, refrigerators, small grinding-mills, heavy articles of furniture, and other objects which are provided with detachable feet.

Claim.

The lugs *b b*, arranged on the bottom plate of a stove and inclined at their inner edges, and the projection *f* of the foot B, extending between said lugs, in combination with the screw or wedge for forcing the said projection away from the base-plate and wedging it between the lugs, as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOS. J. CLOSE.

Witnesses:

WM. A. STEEL,
HARRY SMITH.