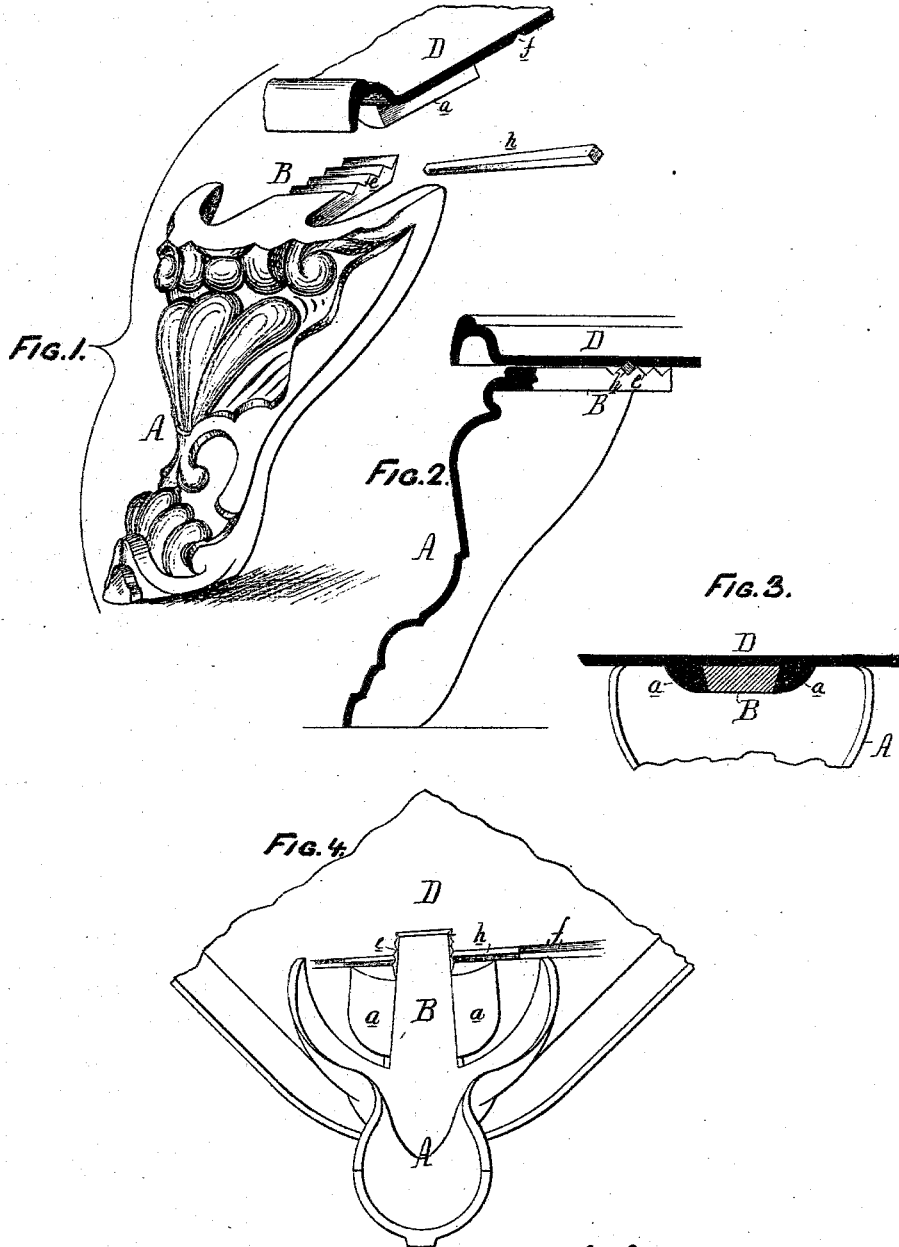


D. STUART & L. BRIDGE.  
Improvement in Stove Legs.

No. 115,540.

Patented May 30, 1871.



Witnesses { Harry Smith  
John Parker

D. Stuart and L. Bridge  
by their Attys.  
Hewson and Son

# UNITED STATES PATENT OFFICE.

DAVID STUART AND LEWIS BRIDGE, OF PHILADELPHIA, PENNSYLVANIA,  
ASSIGNORS TO STUART, PETERSON & CO., OF SAME PLACE.

## IMPROVEMENT IN STOVE-LEGS.

Specification forming part of Letters Patent No. 115,540, dated May 30, 1871.

We, DAVID STUART and LEWIS BRIDGE, of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a Device for Securing Feet to Stoves or Ranges, of which the following is a specification:

### *Nature and Object of the Invention.*

Our invention consists of a device, too fully described hereafter to need preliminary explanation, for securing feet to stoves or ranges.

### *Description of the Accompanying Drawing.*

Figure 1 is perspective view of the foot and part of the bottom plate of a stove or range, showing the mode of securing the said foot; Fig. 2, a vertical section of the same; Fig. 3, a transverse vertical section; and Fig. 4, an inverted plan view.

### *General Description.*

The foot A is of the usual form, and has at the top a horizontal projection, B, with beveled edges, adapted to the beveled edge of ribs on the under side of the bottom plate D; in other words, the projection B is dovetailed into the space between the ribs or lugs *a a*, and in this respect it does not differ from ordinary feet of stoves. Feet which are thus simply wedged to the under side of a stove-plate are apt to become loose, and my invention has been designed to obviate this defect. In the upper surface of the projection B is a number of transverse grooves, *e*, and a groove, *f*, may be formed in the under side of the bottom plate D of the stove. The projection B of the foot is driven between the ribs *a a*, as usual, when one or other of its grooves will coincide

with the groove *f* of the bottom plate; and into the hole thus formed by the two grooves is driven a pin, *h*, which effectually prevents the withdrawal of the foot. There may be a number of grooves, *f*, in the plate D, and one groove only in the projection B of the foot; or there may be a number of grooves in both the said projection B and plate D, so that when the foot is driven to its place there may always be an opening for the reception of the retaining-pin *h*.

It will be seen that, by the use of a nail or key with the grooved projection B, as described, the latter is forced downward, and thereby wedged more firmly between the lugs *a*, instead of being merely drawn inward between the lugs, as in somewhat similar devices heretofore used. It will also be seen that the devices can be employed with stoves already manufactured by merely forming a groove in the under plate of the stove, and substituting feet with grooved projections for the usual feet.

### *Claim.*

A stove-foot having a projection, B, in which is one or more recesses, in combination with the base-plate of a stove having a groove, *f*, and with a key or wedge, operating as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

DAVID STUART.  
LEWIS BRIDGE.

Witnesses:

JNO. B. HARDING,  
HARRY SMITH.