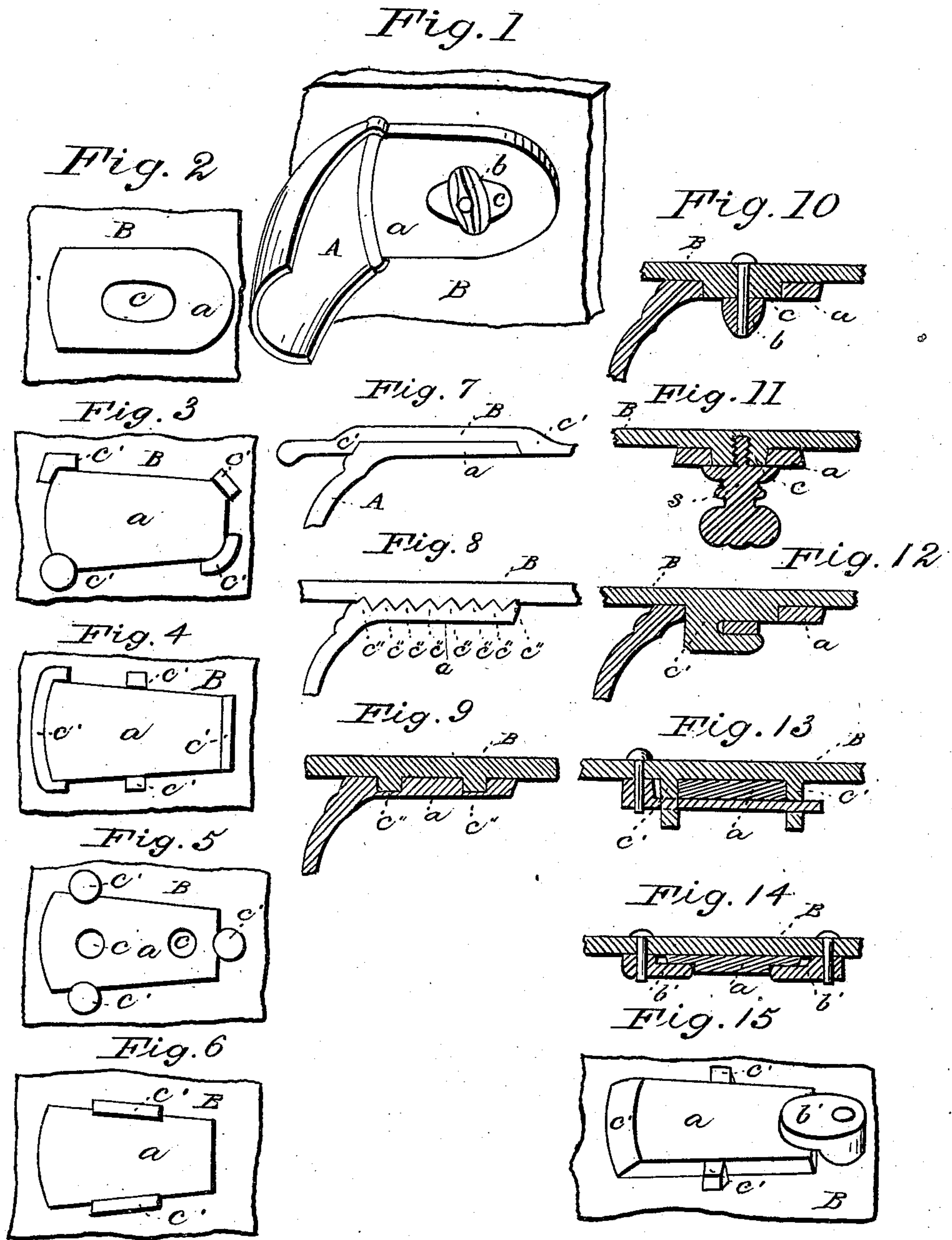


J. GIBSON, Jr.
Stove Leg.

No. 98,249.

Patented Dec. 28, 1869.



Witnesses

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JOHN GIBSON, JR., OF ALBANY, NEW YORK.

Letters Patent No. 98,249, dated December 28, 1869.

METHOD OF SECURING LEGS TO STOVES.

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

To all whom it may concern:

Be it known that I, JOHN GIBSON, Jr., of the city and county of Albany, State of New York, have invented a new and improved Mode of Attaching Legs to Stoves, Heaters, and the like, by which the "dovetails" now generally used and cast on the stove to receive the legs, are dispensed with, and the legs, by this new method, are securely held and locked in their proper places; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon, in which—

Figure 1 represents a perspective view of the invention, in one of its modifications.

Figures 2, 3, 4, 5, 6, 7, 8, 9, represent some of the modifications of the guides used, and some of their forms and points of application.

Figures 10, 11, 12, 13, 14, 15, represent several of the many modifications of device, that may be used in connection with the guides, to secure the leg to the stove or heater.

One part of my invention consists in furnishing the under side of the base of a stove or heater, at suitable points, with leg-guides, so formed and arranged in position as will prevent the leg of such stove or heater from moving in any direction on the surface of the said base, and when these leg-guides have been thus formed and arranged on the base, the leg can be placed in its proper position as designed; and by another part of my invention, the said leg is firmly secured or locked into its place.

The mode of locking the leg to its place can be effected by any of the several modifications of my device, any of which may be used to advantage, using, however, in each case, a locking-device, adapted to the form and location of the guides on the base of the stove or heater.

The guides used may be interior, exterior, or hidden.

When the guides are interior, that is to say, they drop down from the base of the stove, through the "angle-piece" or shank of the leg, the locking-device may be in the form of a button or pinch-screw, or pinch-nut, working on a screw-bolt, or by a bar or key, or any other device which will hold the said angle-piece or shank of the leg to its place around such guide or guides.

When the guides are exterior, that is to say, when they are placed outside of the place intended for the angle-piece or shank of the leg, the leg may be secured and held by binding-buttons placed and worked over the sides or ends of the said angle-piece, or by bars or keys across the same.

When the guides used are hidden, that is to say, they consist of projections made on the surface of

either the base of the stove, or on the angle-piece of the leg, to suit and fit corresponding formed and placed depressions made in its contacting piece, the leg may be secured by either buttons, bars, keys, or any other binding-device, which will hold the leg secure in its place.

By this invention, the usual tedious and necessary exact operation attending the moulding of the "dovetails," now generally used on stoves to secure the legs, are dispensed with, and also the labor of filing and fitting the said dovetails and legs, while any person using a stove with my invention, can readily place and lock the legs in position.

To enable others skilled in the art to make and use my invention, I will proceed to describe it in reference to the accompanying drawings, and their letters of reference marked thereon, the same letters referring to similar parts.

In the drawings—

A represents the leg of a stove or heater.

B represents a section of a stove base.

a represents the "angle-piece" or shank of the leg, by which the leg is secured to its place on the base of the stove or heater.

One design of the dovetails now generally made on the base of stoves and heaters, is to serve as guides, to indicate the proper place for the legs of such stove or heater.

By this invention I dispense with those dovetails, and use either the interior guides C, figs. 1, 2, 5, or the exterior guides, C', figs. 3, 4, 5, 6, 7, or the hidden guides C'', figs. 8, 9.

The said C C' C'' are only some of the many modifications of the forms and their relative positions, in which they may be placed on the base, B, of a stove or heater, to indicate the proper place at which the leg A is to be secured.

When the guides used are interior, as C, figs. 1, 2, 5, they may be made in any form, and placed in any position, and used in numbers of one or more, as will best prevent the leg A from being moved in any direction on the surface of the base B.

When the guides used are exterior, as C', in figs. 3, 4, 5, 6, 7, their forms and relative positions may be varied, and used in numbers of two or more for each leg, to prevent the angle-piece a from being moved out of its place on the surface of the base B.

The interior guides C and the exterior guides C' are simply projections, starting from the surface of the base B of the stove, to a height equal to about the thickness of the angle-piece a of the leg, and if interior, the angle-piece a is furnished with one or more perforations corresponding with the projections or guides C, in size, form, and relative positions.

If exterior, the guides C' project from the surface

of the base B to about the thickness of the angle-piece *a*, and are so arranged in position as to act as confine-points or lines for the angle-piece of the leg, as shown in figs. 3, 4, 5, 6. Or if made by recessing the place for the angle-piece *a*, the sides of recess, as shown in fig. 7, act as a substitute for such projections, and serve as guides C'.

The hidden guides C'' are projections rising from the base B a short distance, as in fig. 8, or in fig. 9, but do not rise to a height equal to the thickness of the angle-piece *a*, and are made in form, size, and numbers to correspond with depressions made in the angle-piece *a*; or the order may be reversed, the projections may be made on the angle-piece, and the depressions be made in the surface of the base B, and their forms and directions may be varied.

Having designated the place for the leg A to be attached to the base B, by means of the interior guides C, or exterior guides C', or hidden guides C'', any class of which will, when properly formed and placed, prevent the angle-piece *a* from moving in any direction on the surface of the base B; I then secure firmly or lock the angle-piece *a* to its place, either around the guide or guides C, by means of a button, *b*, pivoted to and at the centre of the guide C, figs. 1, 10, or by a pinch-screw, *s*, as in fig. 11, or by bolt, or nut, or by buttons *b'*, placed at the sides, as in fig. 14, or at the ends, as in fig. 15; or I secure the said angle-piece *a* within the guides C', by means of buttons *b'*, one or more, at the ends, or at the sides, as figs. 14, 15, or by means of bars or keys, as shown in figs. 12, 13, which pass across the angle-piece *a* from one slotted guide to another, and bind the angle-piece *a* firmly to its place on the surface of the base B.

The angle-piece may be secured over the hidden guides in like manner.

It is to be understood that I do not claim as a part of my invention, the use of dovetails, as they are old, and have been used. Neither do I in any case use the said dovetails as one of the elements of my invention, or any modification of the said dovetails, whereby the angle-piece or shank of the stove-leg would be located and attached at one and the same time, without the aid of a third and foreign element. But it is to be understood that I do not confine myself in this inven-

tion to the size, form, or location of the guides C C' C'', or their equivalents, or the number used for locating the leg A on the base B of a stove or heater, to prevent the angle-piece *a* of the said leg from being moved in any direction on the surface of the said base.

Neither do I confine myself to any particular form of device to be used in connection with the said guides, to bind the leg A to the base B, as it can be done in many ways, such as by buttons *b*, set-screws *s*, or by bolt or nut, or by bars or keys.

Neither do I confine myself to the form, location, or number of such binding-devices used for a leg, or to their mode of permanent attachment to their pieces, whether they be attached to and work from the base B, on or over the angle-piece of the leg, to bind the same to the said base; or whether the order be reversed, and they be attached to and work from the angle-piece *a* under projecting catching-lips, which may be cast on the base, to receive any binding device that may be used.

Having described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. Locating a leg, and preventing it from being moved in any direction on the surface of the base of a stove or heater, by means of the interior, or exterior, or hidden guides, arranged in the manner substantially as described.

2. Binding the angle-piece of a leg to the base of a stove or heater, around the interior guides, or within the exterior guides, or over the hidden guides, or any of their equivalents, by any binding device, working from the base of such stove or heater, on or over the angle-piece of the leg, or by reversing the order, and attaching the said binder or binders to the angle-piece of the leg, and working them under impinging lips, made on the base of the stove or heater, in the manner substantially as described.

3. The elements herein set forth, to secure the results herein specified.

JOHN GIBSON, JR.

Witnesses:

E. D. CRARY,
A. L. GIBSON.