

T. R. TIMBY.

ATTACHMENT FOR COOKING-STOVES.

No. 172,798.

Patented Jan. 25, 1876.

FIG. 1.

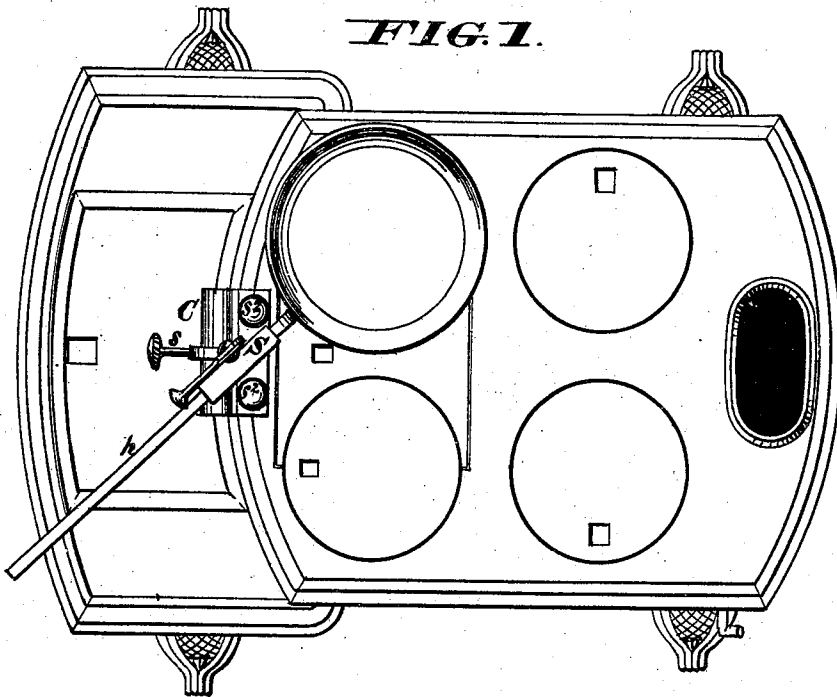
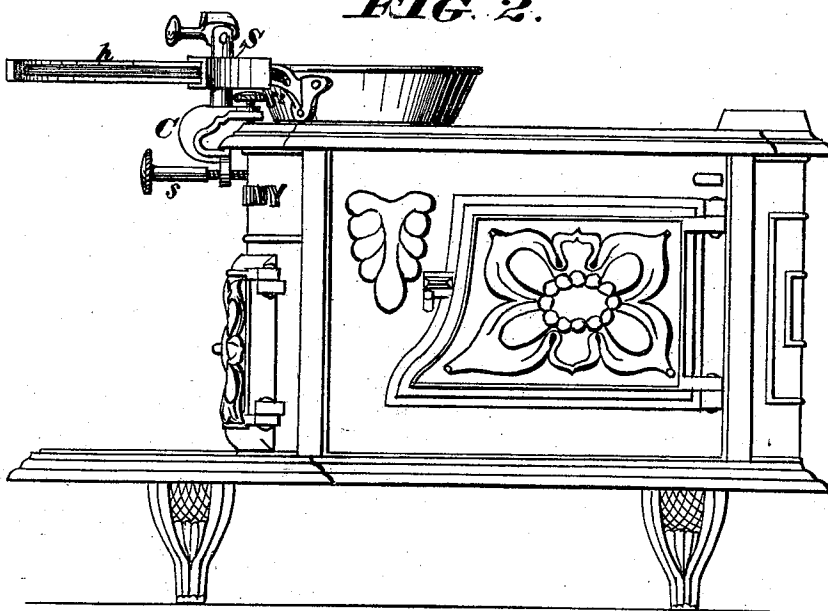


FIG. 2.



WITNESSES

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FIG. 3.

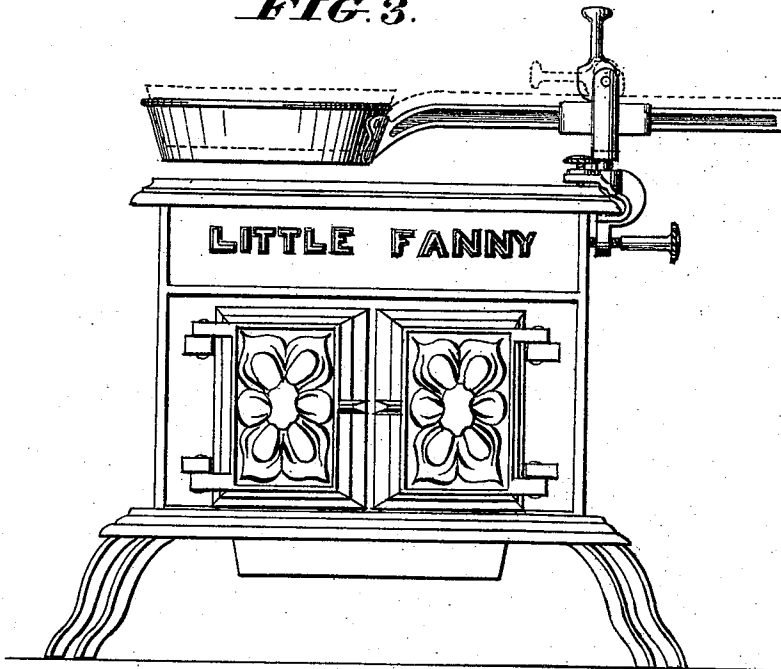


FIG. 4.

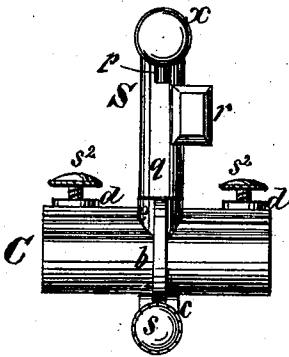


FIG. 5.

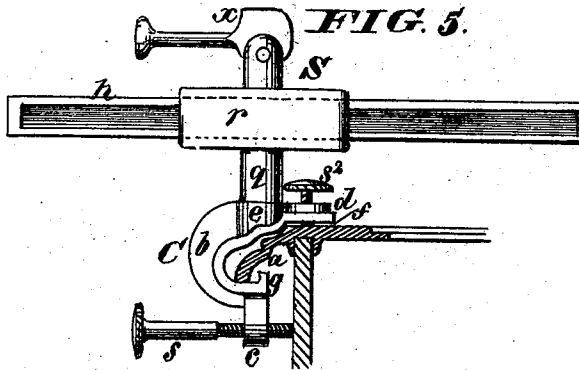


FIG. 6.

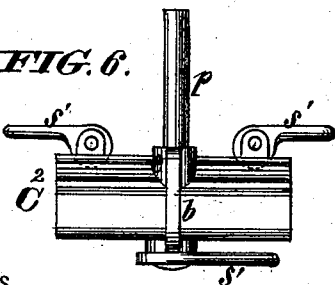
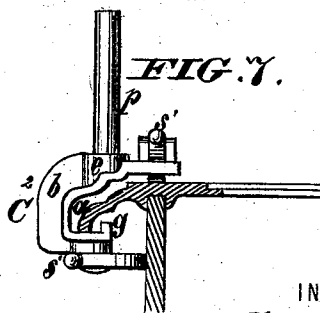


FIG. 7.



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THEODORE R. TIMBY, OF TARRYTOWN, NEW YORK.

IMPROVEMENT IN ATTACHMENTS FOR COOKING-STOVES.

Specification forming part of Letters Patent No. 172,798, dated January 25, 1876; application filed January 11, 1876.

To all whom it may concern :

Be it known that I, THEODORE R. TIMBY, of Tarrytown, in the county of Westchester and State of New York, have invented a new and useful Improvement in Attachments for Cooking Stoves and Ranges, of which the following is a specification :

This invention relates to the attachment for cooking stoves and ranges illustrated and described in the drawing and specification of United States Letters Patent No. 168,809, issued October 11, 1875, to the inventor of the present improvement.

The said attachment serves to facilitate moving griddles or other cooking utensils from place to place on stoves or ranges, as from hotter to cooler positions, and to lift and temporarily support the utensils over or off the stove or range.

The present invention consists in a clamp of peculiar construction for use in connection with a support of the preferred form described in said former specification, or one of any other approved make.

This improved clamp provides for applying the attachment to stoves and ranges already in use, and of any ordinary make, so that it may be located in any desired position at the front or on either side of the stove or range, and removed at pleasure; so also that it may be readily rendered solid and secure when attached, and by the same means adjusted with nicety, so that the pivoted or sliding utensil will move freely parallel to the top of the stove or range, as hereinafter more fully set forth.

Figure 1 is a plan view of a cooking-stove provided with an improved attachment illustrating this invention. Fig. 2 is a side elevation of the same. Fig. 3 is a front view, showing the attachment differently located, and with its movable parts in different positions. Fig. 4 is a rear elevation of the improved attachment on a larger scale. Fig. 5 is a side view on the same scale, adjoining portions of the stove being shown in section. Fig. 6 is a rear view; and Fig. 7, a side view of another clamp, illustrating a modification.

Like letters of reference indicate corresponding parts in the several figures.

Any ordinary stove or range is adapted to receive this improved attachment. The com-

mon down-turned edges or marginal flange *a* of the top plate is the only essential feature, and no alteration of the stove or range is required.

A clamp, *C*, is provided to embrace this flange in convenient position, and this clamp is adapted to be readily applied by a lady, and without the aid of tools. It is shown at the front of a stove in Figs. 1 and 2, and at one side in Fig. 3.

The external conformation of the clamp has reference simply to neatness of appearance, the avoidance of objectionable projections, and the re-enforcement of parts, so as to render the whole sufficiently strong, and at the same time small and light. This re-enforcement is accomplished by a central vertical rod, *b*, of the required depth, terminating in a nut-lug, *c*, at bottom, occupied by a horizontal screw, *s*, and a pair of nut-bosses, *d*, at top, occupied by vertical screws *s*² *s*², with a circular enlargement, *e*, of the rib, to support a vertical pivot or stem, *p*.

The internal shape of the clamp has reference to the performance of the function of the clamp, and to the adaptation of the clamp to fit edges of different styles and proportions. A horizontal surface, *f*, at the upper extreme is designed to rest on or lie parallel to the flat top of the stove or range near the edge, and a vertical flange or lip, *g*, extending along the lower extremity, is designed to engage with the vertical or nearly vertical extremity of the marginal flange *a*, as illustrated in Fig. 5.

By tightening the vertical screws *s*² *s*², which engage with the top of the stove or range, the clamp is lifted and the lip *g* is drawn up within the flange *a*. By tightening the horizontal screw *s*, which engages with the front or side plate, the lower portion of the clamp is forced outward until the lip *g* is pressed tightly against the inside of the lower extremity of the flange. The clamp is now secure against displacement, and, by tightening the screws, may be rendered perfectly solid. In doing this reference must be had to the working of the upper parts of the attachment, and by loosening one screw a little, and tightening another, the stem *p*, for example, may be rendered perfectly perpendicular, as required, with the utmost ease and celerity.

More than three screws might obviously be employed without materially affecting the operation, or a mechanical equivalent be substituted for screws without departing from the invention. The last-named modification is illustrated in Figs. 6 and 7. As here shown the clamp is provided with three eccentrics, s^1 , arranged correspondingly with the screws, as above described, to engage with the top and the front or side of the stove or range. Sliding wedges might also be employed in lieu of the screws, if preferred.

The stem p in the illustrations is a vertical pivot, and occupies a swivel-socket, q , in the movable part S of the support or attachment proper.

The griddle A or other article is provided with a non-circular handle, h , the main portion of which is straight, horizontal, and of uniform dimensions. This occupies a horizontal guide-orifice, r , of corresponding form, and its sides are, by preference, hollowed, as shown, to adapt it to slide back and forth with reduced friction.

The cylindrical portion of the support, within which the swivel-socket q is formed, is extended in the form of cheeks, between which a lever-eccentric, x , is pivoted. This engages with the top of the pivot p , which is flat, and it has three flat or nearly flat surfaces at different distances from the center to rest on the pivot. The eccentric curves or inclines connect these surfaces. The first flat surface is

used when the griddle is lowered onto the stove or range, or within a pot-hole, as illustrated in Figs. 1 and 2; the second when the griddle is temporarily elevated to facilitate moving it on the stove or range, as illustrated in full lines in Fig. 3; and the third when the griddle is left in elevated positions on or off the stove or range, as illustrated in dotted lines in Fig. 3. The shape of the eccentric is clearly shown in Fig. 5.

The provision in one and the same attachment for elevation, rotary or pivoted movement, and rectilinear or sliding movement, as above described, is preferred; but the improved clamp is designed for use in connection with any pivoted or sliding griddle, or other article of stove or range ware which requires support above the top plate and parallel thereto.

I claim as my invention—

The improved clamp for attaching a pivoted or sliding griddle or other article to the top plate of a stove or range, the same having a vertical lip or flange, g , to engage within the marginal flange of the top plate, and three or more screws, $s s^2$, or their mechanical equivalent, for tightening and adjusting or leveling the same, substantially as herein illustrated and described.

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Witnesses:

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