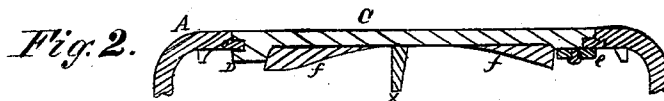
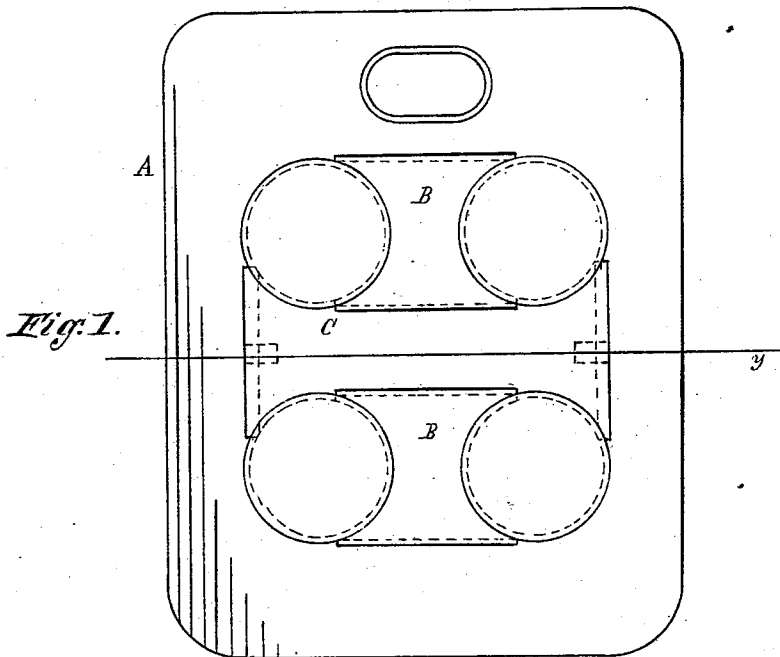


J. THORNILEY.
Stove-Top Plate.

No. 107,566.

Patented Sept. 20, 1870.



Witnesses

Adam C. Johnston.
James C. Johnston

Inventor

John Thorniley

United States Patent Office.

JOHN THORNILEY, OF FALLSTON, PENNSYLVANIA.

Letters Patent No. 107,566, dated September 20, 1870.

IMPROVEMENT IN CENTER PLATES FOR STOVE-TOPS.

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 THORNILEY, of Fallston, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in "Center Plates" for Stove-Tops; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in providing the "center pieces" of stove-tops with a catch and latch, and so constructing the center piece or pieces that it or they will not warp by the action of the heat in the stove.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

In the accompanying drawing which forms part of my specification—

Figure 1 is a top view or plan of a stove-top, provided with my improvement in the center piece.

Figure 2 is a transverse section of the same at line *y* of fig. 1.

In the accompanying drawing—

A represents the top of a cooking-stove, and is of ordinary construction;

B represents the short center pieces; and

C the long center-piece, which is provided with a catch or lug, D, and a latch or pivoted button, *e*; by means of this latch and catch, or lug, the center piece C is held to its bed in the stove-top A, which, to a very great degree, prevents the center piece from warping by the action of the heat of the stove.

In placing the center piece C in its position in the

stove-top, the recess of the catch or lug D is placed over the flange *o*, as shown in fig. 2; and the pivoted button or latch is turned under the flange *n* of the top.

The lower side of the center piece C is provided with two flanges, *f f*, which project downward, and gradually diminish from each end toward the center of the center piece. These flanges *f f* prevent the warping of the center piece by compensating for the difference in contraction of it in cooling, after being heated; and also cause the center piece to gradually and equally cool off.

x represents a support for the center of the center piece. This support is of ordinary construction, and a common appendage to long center pieces.

It will be observed that the thinnest portions of the center piece C are on each side of the support *x*, and are between it and the flanges *f f*, so that it will be almost impossible for the center piece to warp, either in heating or cooling off. This fact has been demonstrated by many trials and experiments made by me.

Having thus described the nature, construction, and operation of my improvement,

What I claim as of my invention, is—

A center piece for a stove-top, provided with a catch or lug, and pivoted or sliding catch arranged and operating with relation to the top, substantially as herein described, and for the purpose set forth.

JOHN THORNILEY.

Witnesses:

ADAM C. JOHNSTON,
JAMES J. JOHNSTON.