

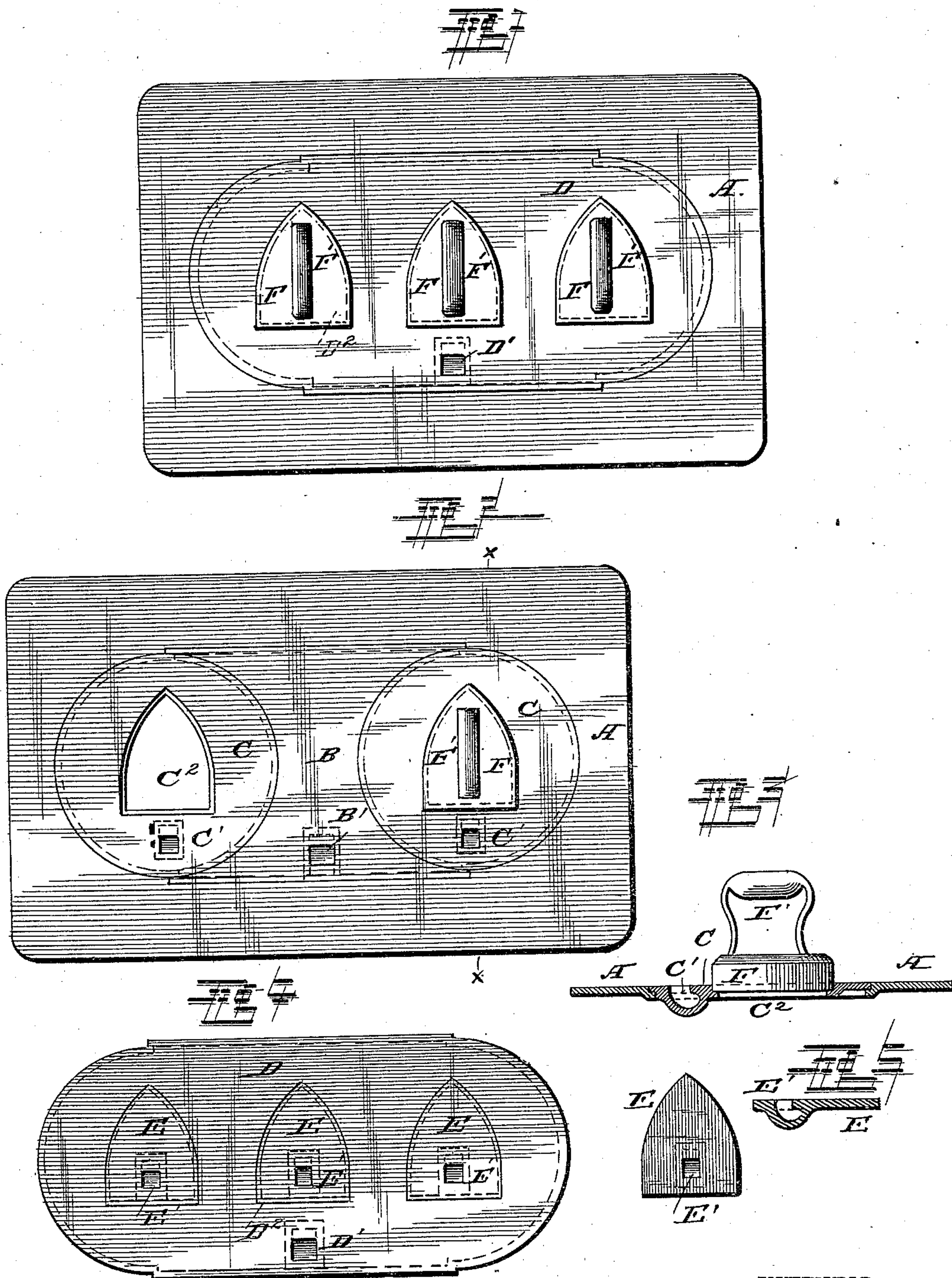
(No Model.)

J. SHAABER.

STOVE.

No. 312,662.

Patented Feb. 24, 1885.



WITNESSES:

Walter Fowler
Ed. S. Dietrich

INVENTOR.

Jacob Shaaber
per Thomas P. Kinsey
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JACOB SHAABER, OF READING, PENNSYLVANIA.

STOVE.

SPECIFICATION forming part of Letters Patent No. 312,662, dated February 24, 1885.

Application filed September 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, JACOB SHAABER, a citizen of the United States, residing at the city of Reading, county of Berks, State of Pennsylvania, have invented a new and useful Improvement in Stoves, of which the following is a specification.

This improvement is related more particularly to cooking stove and range tops.

10 The object of the improvement is to secure a more rapid heating of sad-irons or other articles of similar character, and to do so with a less expenditure of fuel. This object is attained without any change in the construction
15 of the stove or range or their top plates, except in so far as that the loose cross-pieces serving to make up the pot-holes and the covers therefor are combined in one single piece, said piece being perforated with a series of
20 holes having the usual recessed edge and supplemental cover-plates of a corresponding form to close the same.

The drawings herewith, in which similar letters indicate similar parts, are so clear that
25 an expert will require but a slight explanation to comprehend the same.

Figure 1 is a plan of a stove or range top, with the improved cover-plate in place and a set of sad-irons being heated thereon; Fig. 2,
30 a view of the same top with the usual style of center piece and twin cover-plates, the latter adapted to the improvement; Fig. 3, a cross-section through the cover of Fig. 2, on the line *x x*; Fig. 4, a plan of the improved cover detached from the stove or range top; Fig. 5,
35 a plan and section of the supplemental cover.

A represents the stove or range top plate; B, the usual center cross-piece; B', lifter-hole; C, the usual pot-hole cover; C', lifter-hole; C²,
40 perforation in same; D, the improved combination cover-plate; D', the lifter-hole; D², perforation in cover; E, supplemental cover; E', lifter-hole; F, sad-irons; F', handles to same.

To shorten the hours of labor over the iron-
45 ing-board is a desideratum. The use of my improvement does this by the more rapid heating of the irons, while the fire in the stove need not be forced to the same extent as when the irons are heated upon the stove-top. Time
50 is first lost in heating the top plate to the

proper temperature, and, when so heated, owing to the warping of the tops, the irons are not effectually heated, as unless the iron rests equally upon the plate a current of air will be generated between the surfaces of the sad-iron and stove-plate, which will carry away
55 a portion of the heat which should have been transferred to the iron. In my improvement the plate being perforated of the form of the article to be heated, and provided with a slight
60 ledge therein to receive the same, the heat will impinge directly upon the exposed face thereof, and it is rapidly heated to any desired extent.

As no change is required in the construction of the top plate, stove-manufacturers can
65 furnish the improved cover-plate as a separate detail to be used on ironing-days. The single round cover-plate C, Fig. 2, may be adapted to the same purpose by having a perforation
70 and supplemental cover, as shown. In either case the improvement is applicable to stoves already in use. I give preference to the form shown in Figs. 1 and 4.

Where the articles are larger than the perforations in the plate they are set over the
75 same. The heat will then impinge upon the face to the extent of the opening, and the heating would still be more rapid than when placed upon a non-perforate plate.
80

I am aware that stove-covers have been introduced capable of being adapted to receive a pot of smaller diameter than the opening, closed by the cover itself. (See patent to G. N. Bacon, No. 188,564, March 20, 1877.) In
85 this case the portion of cover fitting the seat in the stove-top is an annular ring provided with passages cut through the ledge on its inner circumference. The cover proper being
90 a solid disk provided with arms which drop through the passages in the ledge, and the cover being subsequently slightly rotated, the arms interlock with the annular ring and permit the combined cover to be handled as a
95 single piece. Both pieces are provided with the usual lifter-recess. In my improved cover this multiplication of parts is avoided, the adaptation being for a special purpose—the heating of sad-irons and the protection of
100 the stove-top while using the same for laundry

purposes—my plate, as described, taking the place of the usual covers and cross-piece above the fire-pot.

I am aware that it is not new to employ a
5 plate having a central opening for covering an ordinary round stove-hole, said opening in the plate being covered or uncovered at will by a smaller plate, in order that small articles may be heated without removing the larger
10 plate, the removal of the latter being necessary when the fire is to have access to articles of any considerable size. This construction I do not claim, as my plate is not removed for the placing of any article, but covers the en-
15 tire space ordinarily occupied by two pot-holes and the intervening detachable piece B. Also, I use the same opening in said plate for heating a larger or a smaller article, and I employ several of such openings in each plate,
20 in order that several articles of the same or of a different kind may be heated at once.

Having thus described my invention, what

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

1. A plate, D, in one piece, adapted to fill 25 the space ordinarily occupied by the two pot-hole covers and intervening detachable piece in a cook-stove, said plate being provided with a series of independent apertures for the reception of articles to be heated, substantially 30 as set forth.

2. A plate, D, in one piece, adapted to fill the space ordinarily occupied by the two pot-hole covers and intervening detachable piece of a stove, said plate being provided with a 35 series of openings having the form of the article to be heated, and a slight ledge to receive the same, and a series of covers adapted to fit on said openings, substantially as set forth.

JACOB SHAABER.

Witnesses:

THOMAS P. KINSEY,
F. PIERCE HUMMEL.