

(No Model)

M. M. KOCH.
STOVE, RANGE, &c.

No. 556,543.

Patented Mar. 17, 1896.

Fig. 1.

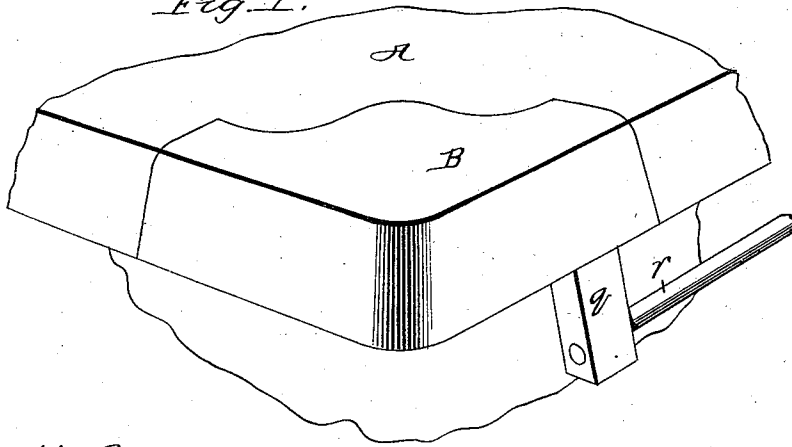


Fig. 2.

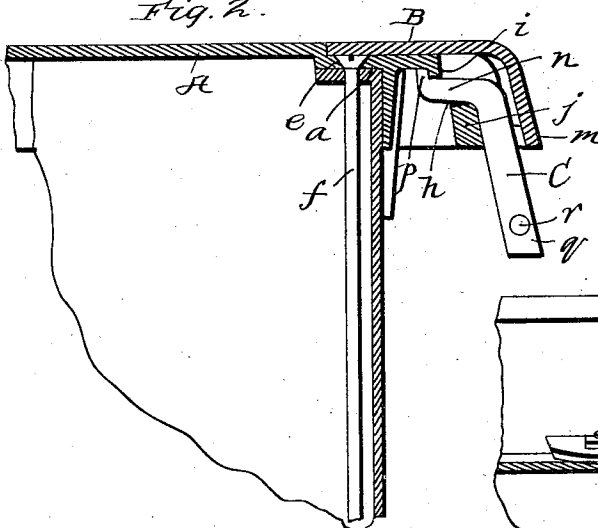


Fig. 3.

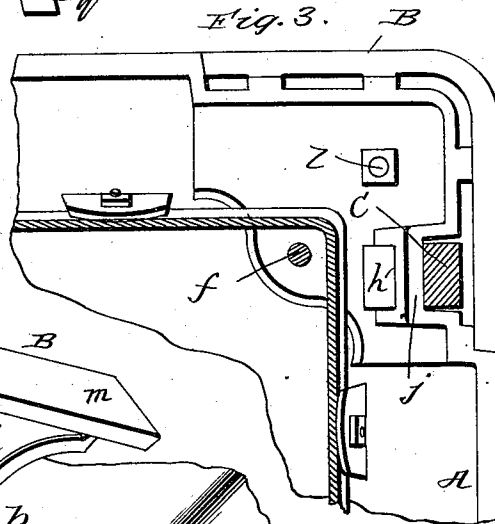
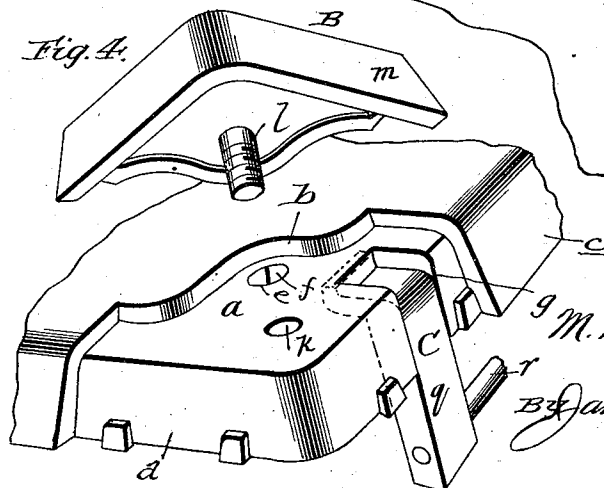


Fig. 4.



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To all whom it may concern:

Be it known that I, MAX M. KOCH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Stoves, Ranges, and the Like; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in stoves, ranges, and the like. An important desideratum in this class of devices has been to provide an efficient construction in which the heads of the bolts securing the top plate and also the bolts securing the warming-closet will be hidden from view, or, in other words, the hole, usually formed in a stove top or plate for such purposes will be dispensed with, and to do this at a comparatively small expense is the prime object of my invention.

A further object of the invention is to provide a rack for holding towels and other articles, and which rack may be conveniently and readily attached to the top plate or upper portion of the stove or range.

Other objects and advantages will appear from the following description and claims, when taken in connection with the annexed drawings, in which—

Figure 1 is a fragmentary view in perspective of a stove or range top constructed according to my invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is an inverted plan view with parts in section. Fig. 4 is a perspective view with the corner cap-plate raised from its seat. Fig. 5 is a plan view of a part of a stove with the warming-closet in horizontal section, and Fig. 6 is a perspective sectional detail view of the same.

Referring by letter to said drawings, and more particularly to Figs. 1 to 4, A indicates a part of the top plate of a stove or furnace, and which may be of any ordinary or approved construction. This top plate is provided at the corners (there being but one shown in said figures) with a depression *a*, and this depression has its inner marginal edge shown in the present illustration as bounded by compound curves *b*; but this configuration

may be changed at pleasure according to the fancy or the dictation of the manufacturer. The depression also extends into the skirt-flange *c*, and this depressed part is also provided with a marginal skirt-flange *d*, the depression described being of a depth equal to the thickness of the cap-plate B, as will be hereinafter more fully described. At a suitable point in this depressed part of the top I provide a hole *e* to receive a rod *f* to be used in securing said top to the bottom plate or body of the stove or range, and the hole may be countersunk, so as to permit the head of the rod to be drawn in flush with the upper surface of the top, as better shown in Fig. 2 of the drawings. The depressed portion of the plate A is provided in one of its sides and in the skirt-flange *d* thereof with a vertically-disposed recess *g*, and this recess has a slot *h* for a purpose which will presently appear. The plate is furthermore provided above the slot with a depending shallow flange *i*, and it will be observed that the lower wall, *j*, of the slot *h* extends somewhat in advance of the upper wall or flange, *i*, as more fully shown in Fig. 2 of the drawings. This depressed part of the plate is also provided with a vertical hole or aperture *k* to receive the stud *l* of the cap B. By this construction it will be seen that after the top has been secured by the rod *f* by simply screwing a nut on the threaded stud *l* the said rod will be concealed from view.

The cap or covering plate B is of a form and shape in plan corresponding to the depressed part of the plate A, and has a depending flange *m*, which covers the flange *d* of said plate.

C indicates an arm. This arm is of an angular form, having a short branch *m'*, which takes through the slot *h* of the recessed part *g* and is provided on its inner end with an upwardly-directed lug or shoulder *p*, which engages the lug or flange *i* of the top plate and from the inner side. This arm C also has a long branch *q*, which rests in the recess *g*, the side walls thereof preventing any lateral displacement, and the depending or skirt flange of the cap or covering plate will prevent any outward movement of said branch, and consequently prevent any disengagement of its lug *p* with the flange *i*. From this

branch *q* may extend a rod *r*, or the like, to serve as a towel-holder or for holding any suitable article. While I have shown and described this rack or holder in connection with the means for concealing the heads of the securing-rods, yet I do not wish to be understood as confining myself to such combination, as it is obvious that the top plate having the depression may be used in conjunction with the cap or covering plate without the provision of the slot and recess in the flange and consequently dispense with the towel rack or holder, although I prefer to use both in a single stove or range.

Although it is desirable and preferable to form the depression in the top plate, so as to bring the cap or covering plate flush with the upper surface of the top when seated in said depression, yet the top may be formed without the depression, in which case the cap would not be brought flush with the top surface, but would be elevated thereon or project slightly above the upper surface.

In Figs. 5 and 6 I have shown my improvements in connection with a warming-closet. In placing a warming-closet on a stove or range I first provide the top plate with a depression or recess *D*, which should extend the entire width of the stove-top and along the rear edge, as shown. This depression or recess should also extend forwardly a sufficient distance on each side, as shown at *E*, and the usual depending or skirt flange *d* may be also provided.

F indicates the rear vertical wall, and *G* the vertical side walls, of the warming-closet, which, respectively, terminate at their lower ends in an outwardly-directed flange *H* and a depending flange *I*. The flanges *H* are designed to rest snugly in the depressions or recesses *E* and *F* of the stove-top, as better shown in Fig. 6 of the drawings.

The top plate of the stove may be provided in the depression or grooves with vertical holes *j'*, and the base-flange *H* of the warming-oven has depending threaded lugs *l* to enter said holes, nuts *K* being applied to the bolts, as shown, for securing the closet to the stove-top.

By the construction described it will be seen that the closet can be secured to the stove-top without having bolts or other fastening devices visible. The closet is so closely fitted that there will be no opening or space at the joints exposed, thereby leaving no place for the accumulation of matter between the top

of the stove and the back of the warming-closet.

While I have described the arms *C* and the rod to serve as a towel-rack, yet it is obvious that these arms might be employed for attaching any suitable holder or device to the stove.

Having described my invention, what I claim is—

1. A stove or range having its top plate provided with a depression and a bolt hole or holes in said depressed part, in combination with a cap or covering plate for said depressed part having a stud adapted to pass through one of the holes in said plate and receive a nut or the like, substantially as specified.

2. A stove or range top having a hole to receive a securing-rod, in combination with a cap or plate adapted to cover said rod and having a stud or the like to receive a nut for securing said cap to the top, substantially as specified.

3. A stove or range having its top plate provided at one or more corners with a surface depression, and also having said depressed part formed with a marginal skirt-flange, and a vertical recess in said flange, the recess being also slotted transversely and the upper wall thereof having a flange as *i*, in combination with an arm adapted to rest in the recess and having a lug or shoulder to engage said flange *i*, and the cap or cover plate adapted to be secured in the depression of the top plate and over the arm, substantially as specified.

4. A stove or range top having one or more corners formed with depressions *a*, and also having the vertically-disposed recesses *g*, and slots *h*, and also having the flange *i*, in combination with the arm *C*, adapted to bear in said recess and provided with a lug or shoulder to engage the flange *i*, and the cap or covering plate for said depression and arm, substantially as specified.

5. A stove or range having its top plate provided with a depression, and a bolt hole or holes in said depressed parts, in combination with a warming-closet having a stud or studs adapted to take through said holes and receive a nut or other fastening device, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

MAX M. KOCH.

Witnesses:

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HENRY F. KLEIN.