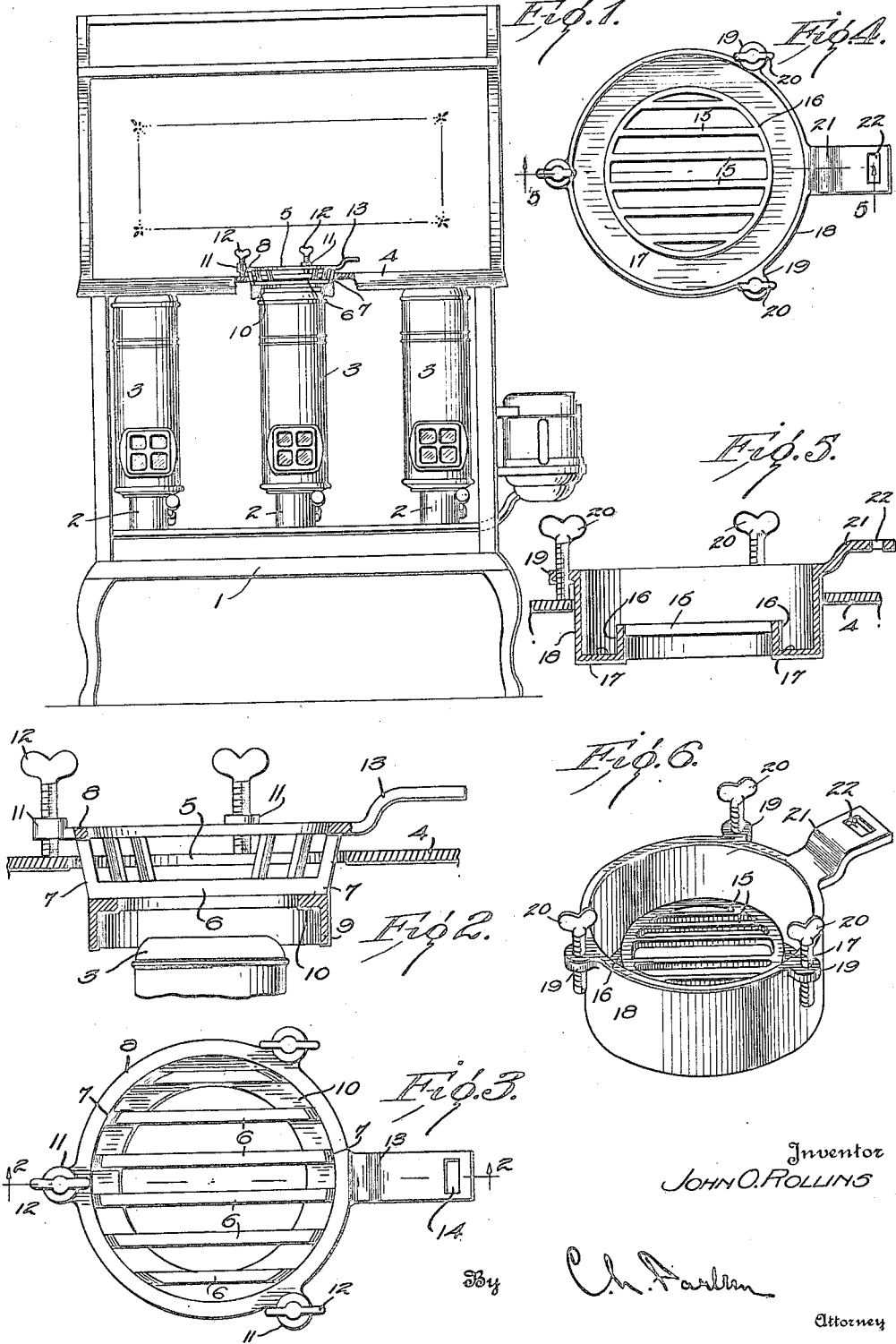


J. O. ROLLINS:
ATTACHMENT FOR STOVES.
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Patented Oct. 31, 1922.



Inventor
JOHN O. ROLLINS

C. H. Fadden

Attorney

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UNITED STATES PATENT OFFICE.

JOHN O. ROLLINS, OF SAWTELLE, CALIFORNIA.

ATTACHMENT FOR STOVES.

Application filed April 8, 1922. Serial No. 550,711.

To all whom it may concern:

Be it known that I, JOHN O. ROLLINS, a citizen of the United States, residing at Sawtelle, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Attachments for Stoves, of which the following is a specification.

This invention relates to attachments for stoves, and more particularly to means for supporting a cooking vessel in proximity to the burner of a stove.

An object of the invention is the provision of an attachment which may be detachably secured to a stove over the burner to support a cooking vessel below the top of the stove.

A further object is the provision of a device of simple construction having means to regulate the distance from the top of the burner.

A further object of the invention is the provision of means for more efficiently utilizing the heat generated by the burner.

In the accompanying drawings, I have shown several embodiments of the invention. In this showing:

Figure 1 is a front elevation of an oil stove showing the invention applied, parts being shown in section,

Figure 2 is a vertical sectional view of the top of a stove showing the invention applied,

Figure 3 is a plan view,

Figure 4 is a plan view of another form of the invention,

Figure 5 is a central vertical sectional view on line 5—5 of Figure 4, and,

Figure 6 is a perspective view of the form shown in Figures 4 and 5.

Referring to the drawings, the reference numeral 1 designates generally an oil stove, having burners 2. These burners are provided with chimneys 3 which terminate below the top 4 of the stove. Ordinarily, a vessel is placed on the top of the stove over the opening 5 which is arranged in alignment with the burner chimney. I have found that a considerable quantity of heat is lost by spacing the vessel or other article to be heated at such a distance from the top of the burner and that greater efficiency can be obtained by providing means for supporting the article to be heated below the top of the stove in proximity to the chimney of the burner.

I accordingly provide an attachment consisting of a substantially circular grate formed of spaced bars 6. The ends of these bars are offset, as at 7, and secured to a ring 8. A skirt 9 extends beneath the bar 6 and is provided with a flange 10 at its upper end adapted to be secured to the bars in any suitable manner. The ring 10 is provided with a plurality of offsets 11, having openings therein for the reception of adjusting screws 12, which engage the top of the stove. The ring is further provided with a projecting handle 13 by means of which the device may be lifted and this handle is provided with an opening 14 for the reception of the ordinary stove lid lifter.

In the form of the invention shown in Figures 4 to 6 of the drawings, a supporting ring is formed of a plurality of spaced bars 15 having a flange 16 at their outer ends. This flange extends downwardly and is connected to a circular portion 17 having a central opening therein. A second vertical flange 18 extends upwardly from the outer end of the circular portion 17 and this flange is provided with offsets 19 having openings therein for the reception of regulating screws 20. A handle 21 is also secured to the flange and this handle is provided with an opening 22 for the reception of a stove lid lifter.

In operation, either form of the device is placed in the opening 5 and the screws 12 are adjusted to engage the top of the stove and form a support. The vessel supporting portion 6 or 15 is thus arranged beneath the top of the stove, as shown in Figures 2 and 5. By means of the adjusting screws, the distance between the burner chimney 3 and the passage may be regulated. When the burner is turned on to its full height, the best efficiency is obtained by arranging the grate about an inch lower than the top of the stove and with a lowered flame, the attachment can be lowered until it is arranged very close to the top of the chimney. The device may be removed from the stove when hot by employing the ordinary type of stove lid lifter.

It is to be understood that the forms of my invention herewith shown and described are to be taken as preferred examples of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. A device of the character described comprising a grate having an upwardly extending peripheral flange, the upper edge of said flange being provided with horizontal offsets, supporting members arranged in said offsets and adapted to engage the top of a stove, and means for adjusting said supporting members.
2. A device of the character described comprising a grate having an upwardly extending peripheral flange, the upper edge of said flange being provided with horizontal offsets having threaded openings formed therein, and threaded rods mounted in said openings and adapted to engage the top of a stove.
3. A device of the character described comprising a grate having an upwardly extending peripheral flange, the upper edge of said flange being provided with horizon-

tal offsets having threaded openings formed therein, threaded rods mounted in said openings and adapted to engage the top of a stove, and a member secured to the under side of said grate, said member being provided with a depending flange.

4. In a device of the character described, a plurality of spaced horizontal bars forming a substantially circular grate, the ends of said bars being extended upwardly, a ring connected to the upper ends of said bars, said ring being provided with offsets having threaded openings formed therein, threaded rods extending through said openings and adapted to engage the top of a stove, and a handle formed on said ring.

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

JOHN O. ROLLINS.

Witnesses:

H. C. HEAD,
HARRY HARRIS.