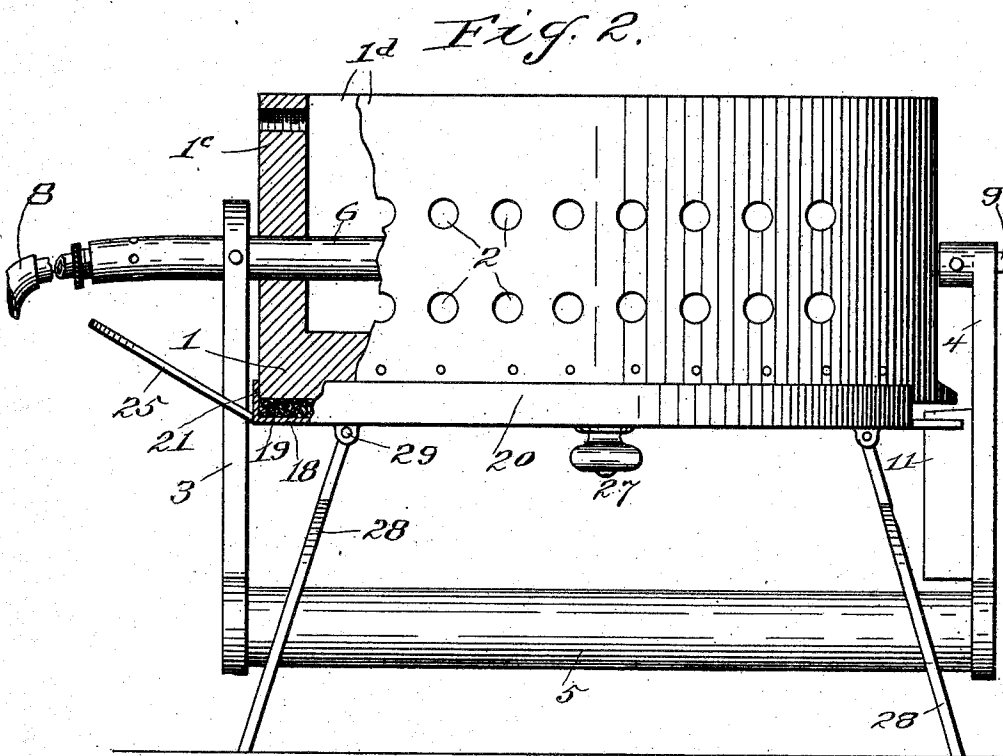
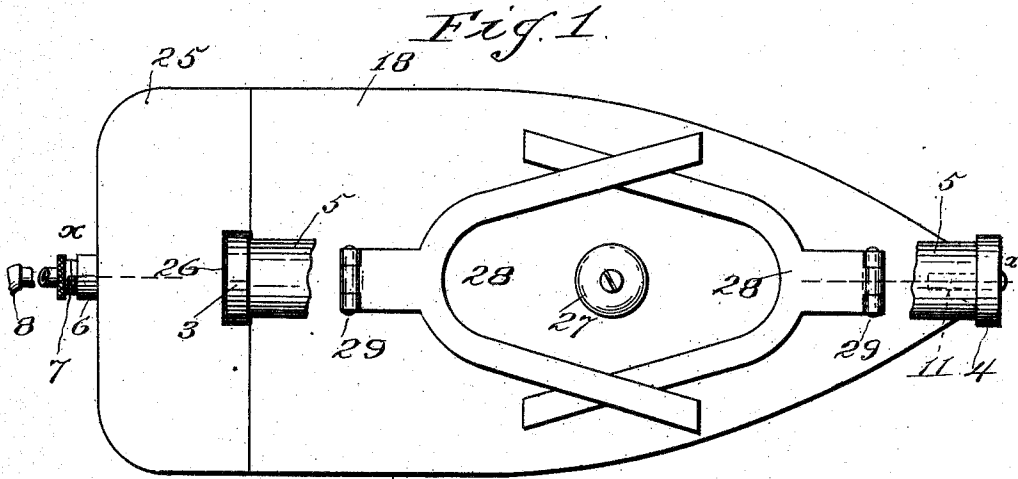


W. W. LEWIN.
SELF HEATING SAD IRON.
APPLICATION FILED APR. 4, 1910.

981,204.

Patented Jan. 10, 1911.

2 SHEETS-SHEET 1.



Witnesses
Wm. E. Volk Jr.
C. J. Beck

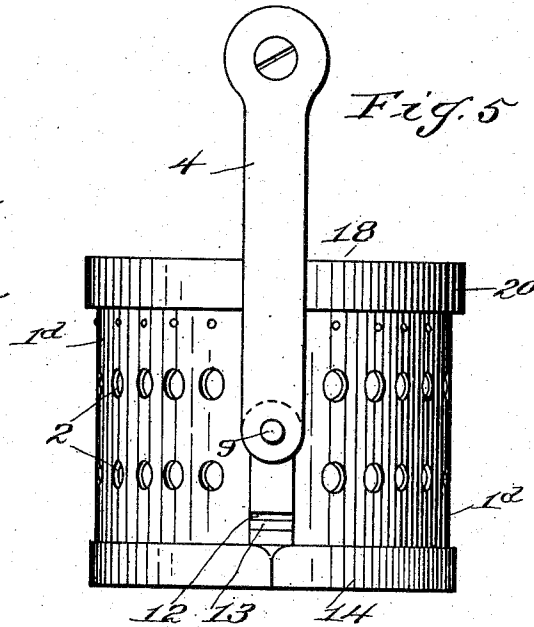
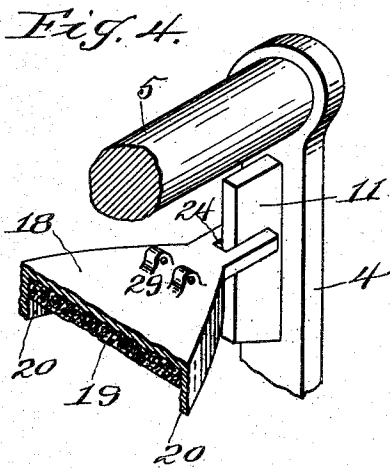
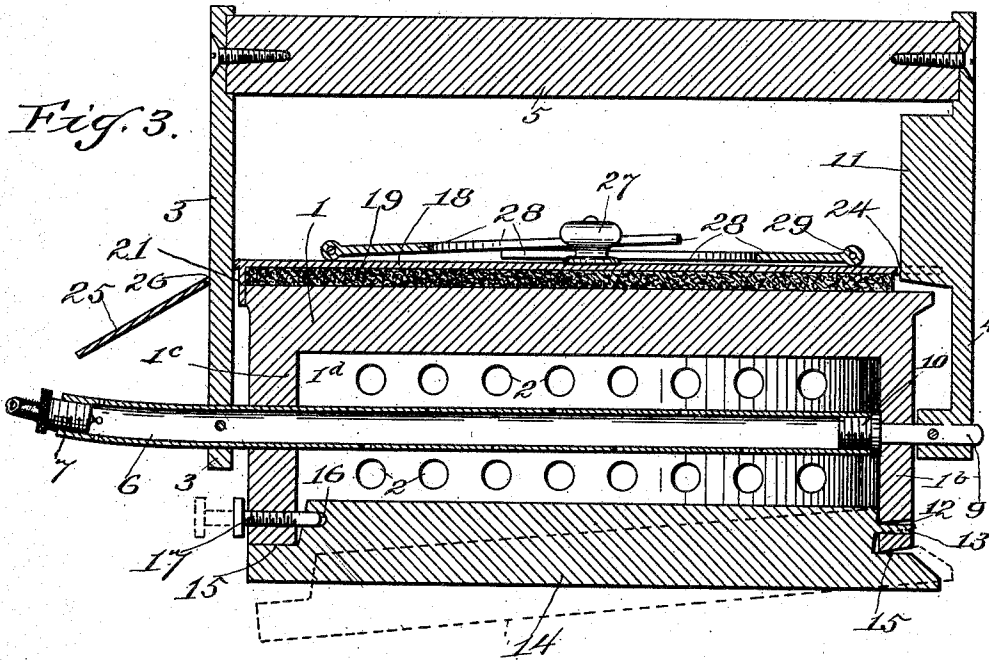
Inventor
Walter W. Lewin
By Robert Whitman Co.
Attorneys

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UNITED STATES PATENT OFFICE.

WALTER W. LEWIN, OF DEARING, KANSAS.

SELF-HEATING SAD-IRON.

981,204.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed April 4, 1910. Serial No. 553,308.

To all whom it may concern:

Be it known that I, WALTER W. LEWIN, a citizen of the United States, residing at Dearing, in the county of Montgomery and State of Kansas, have invented certain new and useful Improvements in Self-Heating Sad-Irons, of which the following is a specification.

This invention relates to sad irons, and pertains especially to the class of self heating irons.

The object of the invention is to provide in a self heating sad iron certain features of construction and arrangement of parts resulting in important improvements and advantages in the functions and operations of such irons.

A further object of the invention is to provide in a self heating sad iron, novel and peculiar means for converting such iron into a heater.

A still further object of the invention is to provide in a self heating sad iron, a detachable or removable ironing member, special means for attaching and removing such member, and special means for standing the iron in reversed position for heating purposes.

Other objects, advantages and improved results are attainable in the practical application of the invention.

In the accompanying drawings forming part of this application: Figure 1 is a top view showing the handle partly broken away. Fig. 2 is a side elevation showing the iron in standing position, with the removable member removed. Fig. 3 is a sectional view on the line $x-x$, Fig. 1, the dotted lines showing the removable member in position to be replaced. Fig. 4 is a perspective view of the front end of the cover showing one of the arms partly broken away. Fig. 5 is an end view.

The same reference numerals denote the same parts throughout the several views of the drawings.

The hollow iron body 1, comprises a front end 1^b, rear end 1^c, and sides 1^a, which are provided with draft perforations 2, and is suspended by arms 3 and 4 connected at one end by a handle 5. The other end of the arm 3 is secured to a perforated tube or gas pipe 6, which extends through the body 1, wherein is formed a combustion chamber, and such pipe is provided with the usual Bunsen burner 7, and gas hose 8. The other

end of the arm 4 is secured to a projection 9 at the front end of the iron, and such projection has a head 10, within the combustion chamber, and forms a closure for and means of securing the inner end of the pipe 6. Said arm 4 is provided with a longitudinal rib or flange 11, hereinafter more particularly referred to.

The front end of the iron is provided with an aperture 12 for a lug 13 on the front end of a removable ironing member 14, which has shoulders 15 engaged by the ends 1^b and 1^c. The rear end of the ironing member 14 has a recess 16, for the end of a screw-stud 17 carried by the iron end 1^c. This construction and arrangement permits the member 14 to be placed and removed as desired.

The iron is removably mounted so as to be reversed for using either ironing member as desired. That is, during an ironing operation, one of said members becomes heated while the other is being used.

One of the principal features of my invention is the means employed for covering or protecting one of the said members so that the heat applied thereto will be restrained therein, during the process of ironing by the other of said members, and for locking the body to the arms. Such means consists of a cover 18 provided with asbestos 19 and having side flanges 20 and an end flange 21 and an apron or shield 25. The front end of the cover has a cut-out 24 engaged by the arm rib 11, and the apron or shield 25 has a slot 26. It is obvious that the cover sides hold the iron in fixed position when engaged therewith, by reason of the connection between the cover and the arms 3 and 4. The apron 25 projects from the rear end of the cover so as to form a shield in the event of escaping flame at this point during the process of ironing. The cover is provided with a hand knob 27, for sliding the cover, and when the cover sides and end are slid out of engagement with the iron, the latter is free to be turned for reversing.

Not the least essential feature of my invention is the means for standing the iron in upright position, or upside down, and this is accomplished by a pair of forked legs 28 foldable on the cover by means of a pivot or hinge connection 29 with the cover. In such position the iron may be used as a heater or cooker, either with or without the removable member 14, but pref-

erably without such member. It is obvious that the forked ends of the legs permit them to be swung clear of the handle.

I do not wish to be understood as limiting myself to any particular size, shape or material in the practical application of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. The combination, with a reversible sad iron body, and handle arms, of a cover slidable on the arms one of which has a rib projecting therefrom and engaging the cover, and flanges on the cover and engaging the said body for locking and unlocking it.
2. The combination, with a reversible sad iron body, and handle arms, of a cover slidable on the arms for locking and unlocking the body, and stand legs hinged to the cover for supporting the iron on the cover when the iron is upturned.
3. The combination, with a reversible sad iron body, and handle arms, of a slidable cover having flanges engaging said body, and a shield attached to the cover and having a slot for one of said arms and projecting outwardly therefrom.

4. The combination, with a reversible sad iron body, and handle arms, of a slidable cover having flanges engaging said body, a shield projecting from one end of the cover and having one of said arms extending through it, and a rib on the other of said arms for engaging the other end of the cover.

5. The combination, with a reversible sad iron having an ironing face or member, a removable ironing face or member, and handle arms, of a cover having end and side flanges engaging the iron and slidable on the arms for locking and unlocking the iron.

6. A self heating device of the character described consisting of a burner pipe, a pair of handle arms having a fixed connection with such pipe, a revoluble body having a combustion chamber having said pipe extending through it, a removable face for such body, and a cover having ends slidable on the arms for locking and unlocking the said body.

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

WALTER W. LEWIN.

Witnesses:

E. L. RUNYAN,
W. M. LADD.