L. MARGOLIS.

SAD IRON.

APPLICATION FILED MAR. 31, 1909.

952,011. Patented Mar. 15, 1910.

Fig. 1.

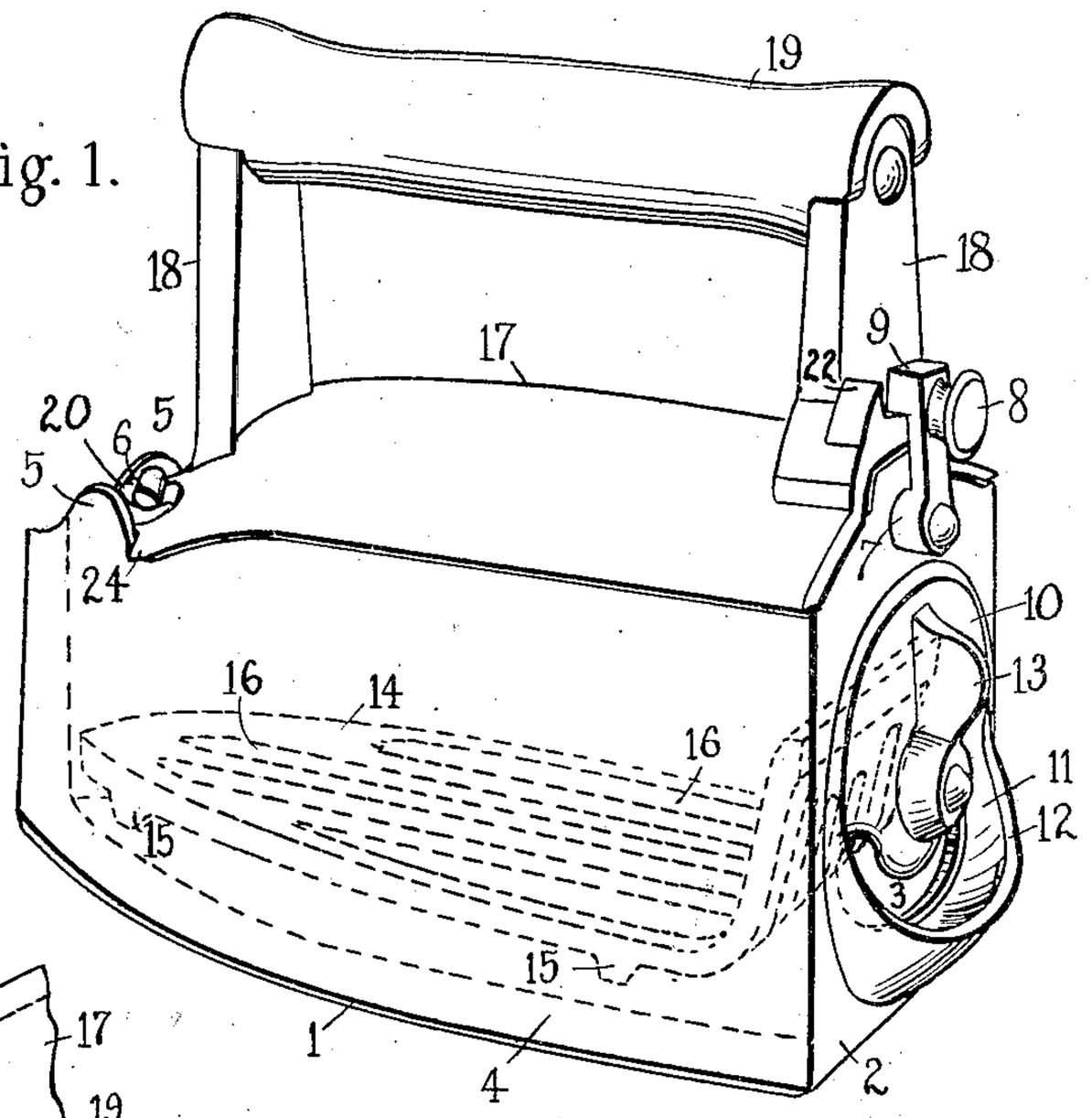


Fig. 2.

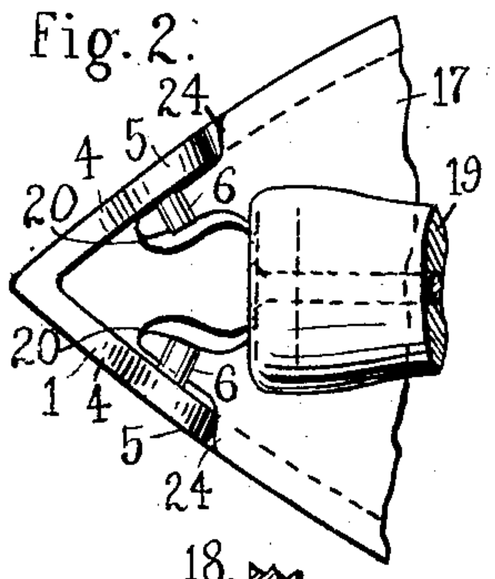
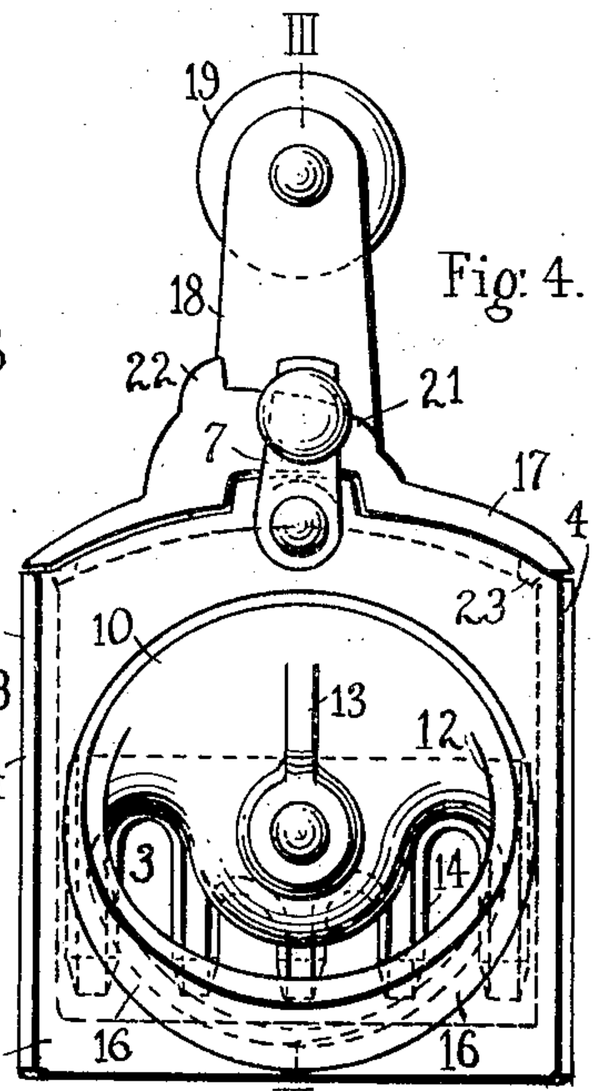


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE.

LOUIS MARGOLIS, OF RAVENNA, OHIO.

SAD-IRON.

952,011. Specification of Letters Patent. **Patented Mar. 15, 1910.**

Application filed March 31, 1909. Serial No. 486,962.

To all whom it may concern:

Be it known that I, LOUIS MARGOLIS, a resident of the city of Ravenna, county of Portage, State of Ohio, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification.

My invention relates to sad irons which are heated by means of combustion within the iron itself, and which are commonly designated as charcoal or carbon irons.

The object of my invention is to produce an iron, the cover of which will not work loose; in which the fuel can be properly and conveniently stirred without removing the cover; which has means that prevent the ashes from being thrown upon the fabric in the process or ironing; and which is so constructed as to be of the minimum size and maximum efficiency.

To this end my invention consists in the peculiar arrangement, construction and combination of parts hereinafter more fully set forth and claimed.

In the accompanying sheet of drawings, which forms a part of this application, Figure 1 is a perspective of the iron showing the grate in dotted lines. Fig. 2 is a plan of the forward end of the cover and top portion of the iron showing the fastening means for the front part of the cover. Fig. 3 is a longitudinal vertical section of the iron on the line III—III of Fig. 4, partly broken away; and Fig. 4 is a rear elevation.

The body of the iron 1 is hollow, and is of the square-heeled type. The heel 2 of the iron is provided with an inlet port 3 which in the form shown, is constructed on a semi-circle, the bottom of which is at the bottom of the iron; and the sides of which extend upward on the sides of the heel 2. The sides 4 4 of the body converge in a line at the front of the iron, and are reduced in height at this point. On each side of the front of these sides are provided stops 5 5, each of which carries an internally projecting pin 6 6. At the top of the heel is pivoted a catch 7 provided with a knob 8 and an internally projecting nose 9.

At about the middle of the heel is pivoted the combined regulator and ash-collector 10, which is provided with an aperture 11 so constructed as substantially to register with the inlet port of the heel when the draft is opened. Surrounding the bottom and forming the lower boundary of this aperture is an outwardly and upwardly extending flange 12 which constitutes a cup or collector for the ashes. The regulator is provided with a suitable handle 13, and is preferably of circular form. Within the hollow body is located a removable grate 14 which is provided with legs 15 15; and has its rear portion extended upwardly so that the flues 16 16 extend approximately to the same height as the top of the inlet port.

The cover 17 of the iron is provided with uprights 18 18 in which is fastened a suitable wooden handle 19 by any well known means. The front of the cover tapers downwardly and is recessed to afford a vent. Upon each side of this recess extend horns 20 20 for engagement with the pins 6 6. These horns extend inside of the front of the body between the stops 5 5 against which abut the forward edges 24 24 of the cover. At the rear of the cover is located a cam 21 over which rides the nose 9 of the catch, thereby taking up the wear and continually affording a tight joint. A stop 22 is provided to prevent the catch from being pushed clear over the cam surface.

The bottom of the cover is provided with a downwardly extending flange 23, which sets inside of and in contact with the sides and heel of the iron. This flange, the stops 5 5 and the forward edges 24 24 of the cover receive the strain due to ironing and reduce the wear on the fastening means.

The operation of the iron is as follows: After the proper amount of fuel has been put into the body and lighted, the cover is put on by slipping the horns 20 20 under the pins 6 6, and by turning the catch 7 up into engagement with the cam 21. The proper amount of air is admitted to the fuel by means of the regulator, the air passing through the inlet port 3 under and around the fuel and out of the vent at the top of the front of the iron. When the iron is sufficiently heated and ready for use, it is manipulated in the ordinary way well known in the art. In moving the iron back and forth over the fabric, loose light ashes are likely to be thrown out of the inlet port. These will be collected by the cup formed by the upwardly and outwardly extending flange 12, and thus prevented from being scattered upon the fabric. As soon as this cup is full, the regulator is simply turned over and the ashes dumped without tilting or inverting the iron proper, thus avoiding an undesir-

able disturbance of the fuel therein. When the fire needs agitation, a poker can be inserted through the inlet port 3, and the ashes shaken down in the manner well known in open fire-places.

It is to be understood that I do not desire to be limited to the exact details shown and described, for obvious modifications will occur to those skilled in the art.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is;

1. In an internally heated sad iron, the combination with a hollow body provided with an inlet port, of a regulator having an aperture therein and being provided with an outwardly and upwardly extending flange integral therewith beneath the aperture, the regulator being pivoted to the hollow body whereby the aperture may be brought out of and into register with the inlet and the flange inverted and returned to its normal position, substantially as described.

2. In an internally heated sad iron, the combination of a hollow body having its front reduced in height and provided at each side thereof near the top with inwardly projecting pins, a cover having its front recessed to furnish a vent and being provided at each side thereof with horns for engagement with said pins, substantially as described.

3. In an internally heated sad iron, the combination of a hollow body having its front reduced in height and provided at each side thereof near the top with inwardly projecting pins, a cover having its front recessed to furnish a vent and being provided on each side thereof with horns for engagement with said pins, a catch at the rear of the hollow body pivoted thereto, and a cam at the rear of the cover for engagement with said catch, substantially as described.

4. In an internally heated sad iron, the combination of a hollow body provided with an inlet port, the front of said body being reduced in height and provided at each side near the top thereof with inwardly projecting pins, a cover having its front recessed to furnish a vent, and being provided on each side thereof with horns for engagement with said pins, a catch at the rear of the hollow body pivoted thereto, a cam at the rear of the cover for engagement with said catch, and a regulator provided at its bottom with an outwardly and upwardly extending flange and having an aperture by means of which the supply of air to the inside of the iron can be governed, substantially as described.

Signed at Ravenna, in the county of Portage, and State of Ohio, this 27th day of March, 1909.

LOUIS MARGOLIS.

Witnesses:
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