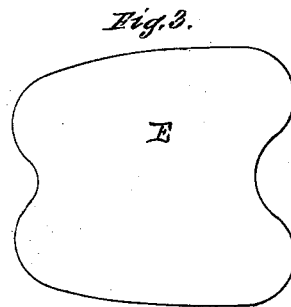
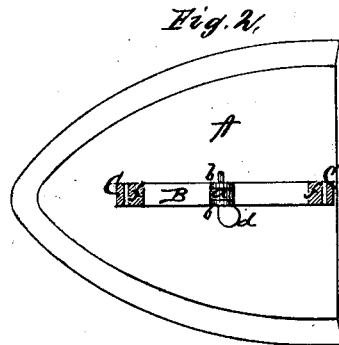
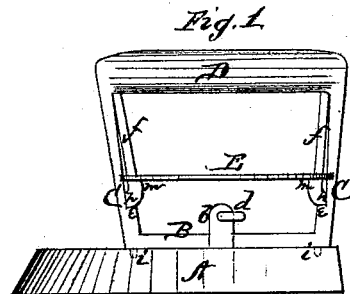


ROBERT McGRATH.
Improvement in Sad-Irons.

No. 114,698.

Patented May 9, 1871.



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT McGRATH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. 114,698, dated May 9, 1871.

To all whom it may concern:

Be it known that I, ROBERT McGRATH, of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Sad-Irons; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a sad-iron, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation and Fig. 2 a horizontal section of my sad-iron. Fig. 3 is a plan view of a shield used with the same.

A represents the sad-iron proper, which is cast with an ear or projection, *a*, on its upper side.

In front and rear of this projection there is a hole in the upper side of the sad-iron, as shown by dotted lines in Fig. 1.

The handle for the sad-iron is constructed in the following manner:

A frame is cast composed of the horizontal bar B and side, or rather end, bars C C. In the center of the bar B is a slot or mortise of suitable size to fit over the projection *a* on the sad-iron, and on each side of said slot is an upward-projecting ear, *b*, corresponding in size with the projection.

On the under side of the bar B, near each end, is a pin, *i*, to fit in the holes in the iron. The bar B is placed on the iron in the position

indicated, and a pin, *d*, is passed through holes made for that purpose in the ears *a* and *b*, thus securing said bar to the iron.

The end bars C C incline outward and upward, as shown in Fig. 1, having shoulder *e* formed on their inner sides, near, or at a suitable distance from, the lower ends.

Between the upper ends of the bars C C the wooden handle D is secured and from the ends of said handle wooden arms *f f* descend.

Upon the outer sides, near or at the lower ends of the arms *f f*, are formed enlargements or shoulders *h*, which rest upon the shoulders *e* of the bars C C, and thus there is left a space almost the entire distance between each bar C and arm *f*.

Upon the inner side of each arm *f* is another shoulder, *m*, on which rests the wooden shield E, constructed as shown in Fig. 3. By this means the hand is entirely protected from the heat.

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

1. The cast frame composed of slotted bar B and the end bars C C, in combination with handle D and wooden arm *f f*, all arranged substantially as and for the purpose set forth.

2. The combination of the iron A with ear *a*, bar B, with ears *b b* and pins *i i*, ear-bars C C, handle D, arms *f f*, and shield E, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ROBERT McGRATH.

Witnesses:

J. Y. ALEXANDER,
C. ALEXANDER.