W. B. SANDERS.

Polishing, or Sad-Iron.

No. 164,597. Patented June 15, 1875.

Fig 1.

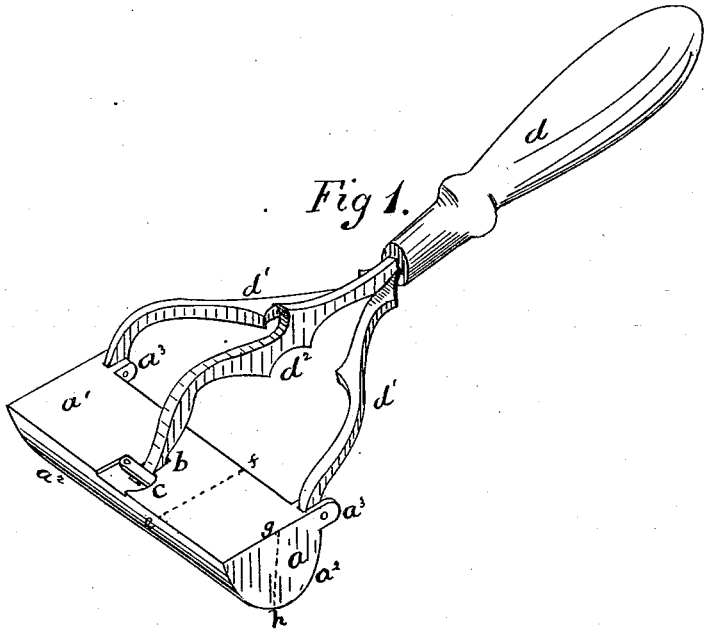
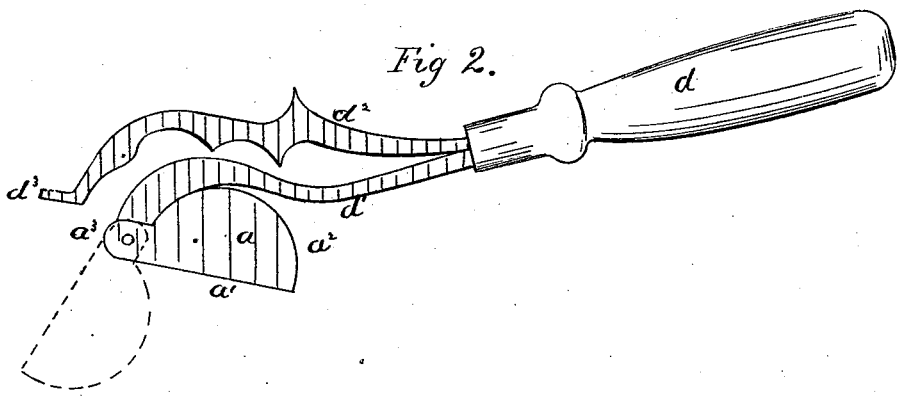


Fig 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM B. SANDERS, OF LOCK HAVEN, PENNSYLVANIA.

IMPROVEMENT IN POLISHING OR SAD IRONS.

Specification forming part of Letters Patent No. **164,597**, dated June 15, 1875; application filed May 18, 1875.

To all whom it may concern:

Be it known that I, WM. B. SANDERS, of Lock Haven, in the county of Clinton and State of Pennsylvania, have invented certain new and useful Improvements in Polishing or Smoothing Irons; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in irons used in polishing linen; and it consists in the peculiar construction and attachments of the iron, as hereinafter fully explained, and pointed out in the claim.

In the drawings, Figure 1 is a perspective, and Fig. 2 is a sectional, view of my improved polishing-iron.

a is the iron having a length equal to the width of ordinary smoothing-irons. It is formed with the flat upper face a^1, and the circular or oval polishing-surface a^2, and it is provided with the lugs a^3 on one side flush with the face a^1 and the outer ends thereof. It is made narrow from front to rear on the line *e f*, the desired weight necessary for the implement being obtained in the thickness or depth on the line *g h*.

With this construction the iron can be used with greater ease than the ordinary iron in ironing small articles of clothing, such as collars, cuffs, &c., by reason of its better adaptability to the shape and size of said articles; and, further, it will give a higher polish to the linen by reason of the heat and pressure being concentrated on a small surface.

b is a rectangular mortise formed centrally in the face a^1, for the reception and in which is secured the foot or projection on the end of the central arm of the handle, as hereinafter described. *c* is a button pivoted in a suitable recess in and flush with the surface a^1, and is so placed that it will slide over the foot on the central arm, and hold the iron from turning, as hereinafter explained. *d* is the handle, having the three arms d^1 d^1 d^2. The two under or outer arms d^1 d^1 are pivoted or journaled in the lugs a^3, and have their ends next the iron curved upward, so as to lie over the surface a^2 when the iron is turned back and under, as shown in Fig. 2. The arm d^2 is provided with the rectangular foot or extension d^3, and the arm is so arranged that when the iron is in position for use, as shown in Fig. 1, the foot d^3 will be in the mortise *b*, where it can be secured by turning over it the button *c*, as shown.

To heat the iron, it is first released from the arm d^2 by turning the button *c* off the foot d^3. It is then turned and laid with the face a^1 on the fire or stove, and the handle laid back, as shown in Fig. 2.

The polishing-surface of the iron is prevented from coming in direct contact with the fire or heating-plate, and is, by reason thereof, protected from the action of the heat, which, when acting immediately on, tends to make said surface rough.

I am further enabled to plate the surface a^2 with any suitable material, as with nickel, capable of a higher polish than ordinary metal, which plating can be at all times effectually protected against the action of the fire.

The iron, by reason of the entire flat surface a^1 coming in contact with the fire, is soon heated, and its shape preserves the degree and uniformity of heat longer than is the case with the ordinary iron.

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

The improved polishing-iron composed of the iron *a*, having lugs a^3, mortise *b*, and button *c*, and the handle *d*, having the arms d^1, constructed as described, and arm d^2, having the extension d^3, all arranged to operate as and for the purpose specified.

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

WILLIAM B. SANDERS.

Witnesses:
H. R. ACHENBACH,
THOMAS SHEARER.