

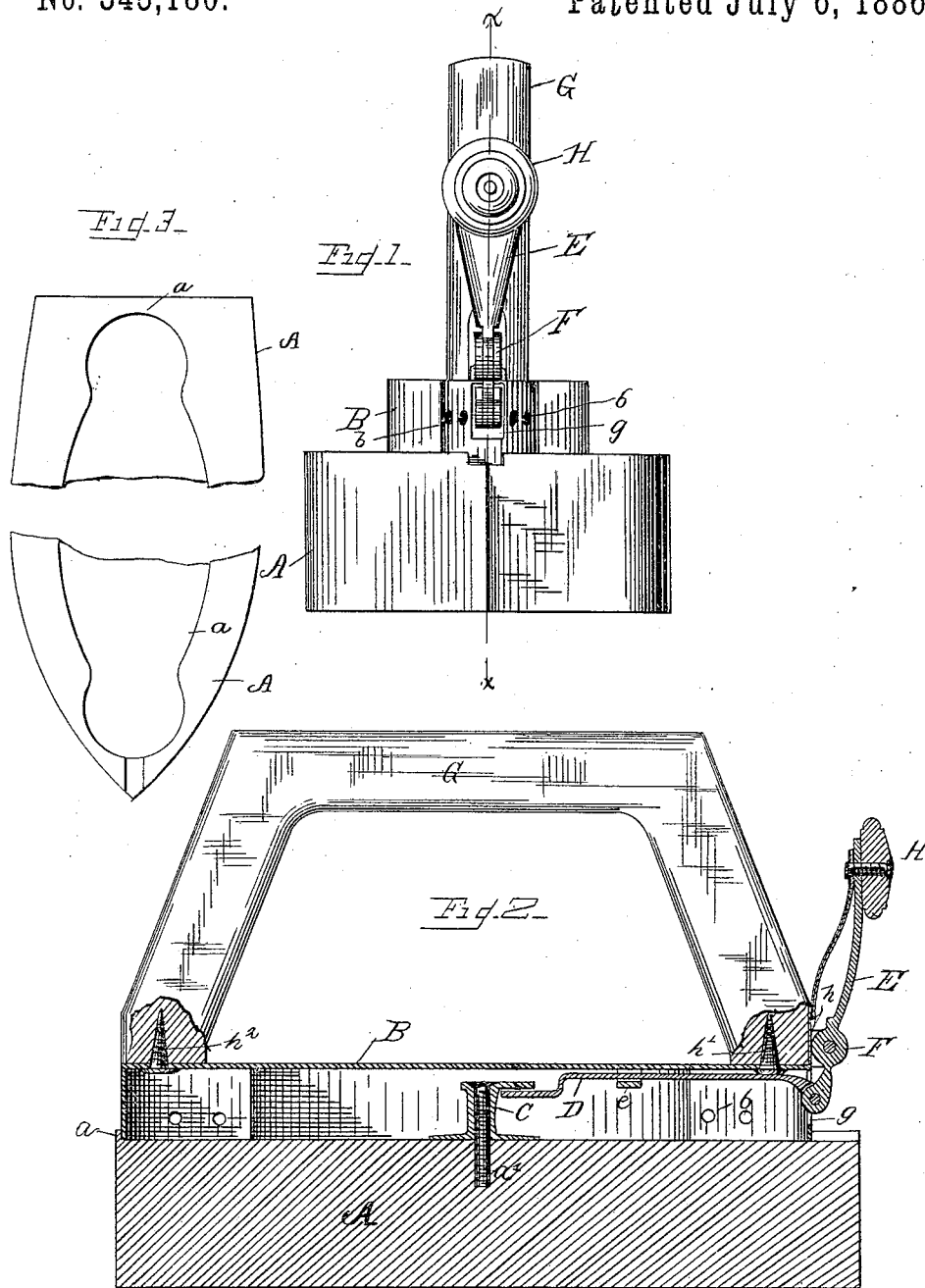
(Model.)

A. SCHNEIDER, Jr.

SAD IRON.

No. 345,180.

Patented July 6, 1886.



Witnesses

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UNITED STATES PATENT OFFICE.

AUGUST SCHNEIDER, JR., OF NEW BREMEN, OHIO.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 345,180, dated July 6, 1886.

Application filed March 30, 1886. Serial No. 197,140. (Model.)

To all whom it may concern:

Be it known that I, AUGUST SCHNEIDER, JR., a citizen of the United States, residing at New Bremen, in the county of Auglaize and State of Ohio, have invented certain new and useful Improvements in Sad-Irons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in sad-irons, and it has for its object to provide improved means for attaching or detaching the handle from the body of the iron; and with this end in view the invention consists in the novel construction and combination of parts, as will be hereinafter more fully described, and specifically pointed out in the claim.

In the accompanying drawings, to which reference is made and which fully illustrate my invention, Figure 1 is a front view of my invention. Fig. 2 is a side sectional elevation of the same, and Fig. 3 is a broken plan view of iron with the handle and chamber removed.

A represents the body of the iron, which is provided upon its upper surface with a shallow recess, *a*, for receiving the lower edges of a hot-air chamber, B, having perforations *b* therein at the sides and near each end of the chamber for the escaping heat to pass through in making its exit from the chamber.

C is a catch-plate rigidly secured to the upper surface of the iron A, within the recess *a* and center thereof, by means of a bolt, *a'*, or any suitable means, and under which passes the free end of a locking-latch, D, secured to the lower end of a lock-lever, E, the locking latch or slide also passing through a guide, *e*, secured to the under side of the top of the hot-air chamber by means of rivets or bolts. This locking-lever E has its fulcrum in a lug or projection, F, firmly secured to the lower portion of one end of a handle, G, at one end of the chamber B, and at the same end of the chamber B below the lug F is a square or

rectangular opening, *g*, through which the slide or locking-latch passes that engages with the catch-plate C.

Secured to the upper end of the locking-lever E by a rivet or screw is a curved flat spring, the free end of which bears against a metallic plate, *h*, secured to the lower end of the handle G, while at the same time secured to the upper part of the locking-lever E is a button, H, which is secured by means of said rivet or screw, and pressure upon this button causes the handle with its chamber B to be released from the iron A. This button H is a non-conductor of heat, and consequently all liability of burning the fingers is avoided.

The handle G of the iron is constructed of angular form in this example; but generally it is preferred to construct it of a semicircular form as the most advantageous. The ends of the handle are secured to the top and ends of the hot-air chamber by means of screws *h'* *h''*, as shown in Fig. 2, in which the handle is shown broken away. The hot-air chamber is made of cast-iron, it being considered preferable to any other metal.

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

In a sad-iron, the combination, with the iron A, having the narrow recess *a*, constructed as described, of the hot-air chamber B, provided at each end with perforations *b*, catch-plate C, sliding latch D, guide *e*, locking-lever E, secured to the handle of the iron by means of the lugs F, and provided with button H, and the curved flat spring and the handle G, all constructed and arranged as herein shown and specified.

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

AUGUST SCHNEIDER, JR.

Witnesses:

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CHARLES HEIL.