

S. S. FITCH.

Sad-Irons.

No. 136,829.

Patented March 18, 1873.

Fig. 1.

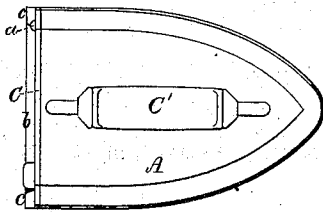


Fig. 5.

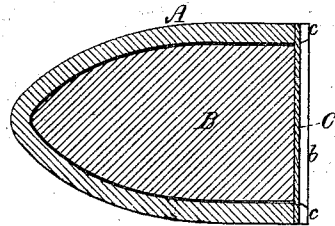


Fig. 2.

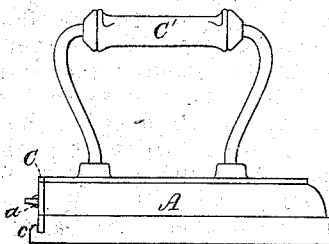


Fig. 3.

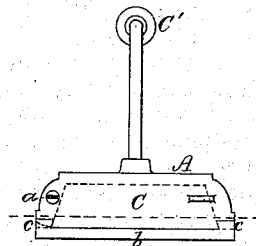
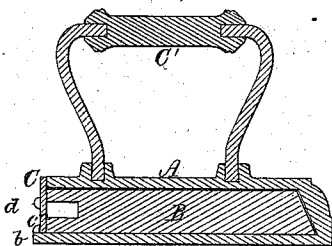


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

SAMUEL S. FITCH, OF NEW YORK, N. Y.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. 136,829, dated March 18, 1873.

To all whom it may concern:

Be it known that I, SAMUEL S. FITCH, of the city, county, and State of New York, have invented a new and useful Improvement in Sad-Irons; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a rear end view, Fig. 4 a longitudinal section, and Fig. 5 a horizontal section, of a sad-iron containing my invention.

The said sad-iron has its base-portion A chambered to receive a dog or heater, B, the chamber having its mouth at the rear end or heel of the base part. In this respect the sad-iron does not differ from some others long known and in use. They, however, have been provided with a cover disconnected from the mouth and held in place by grooves formed in the base.

In carrying out my invention I apply to the end or mouth of the heating-chamber a door, C, to turn up and down upon a pivot, *a*, at or near one end of the mouth, and I form the body or base part of the sad-iron with a threshold, *b*, for the door to rest on; and I extend up from such threshold, near the ends of

the door, two latching projections or studs, *c*, for the support of the door against back pressure of the heating iron or dog B (see Fig. 4) when within the chamber of the base. These projections not only aid in keeping the door closed, but so support it as to prevent its pivot from being broken under the back strain or pressure of the dog while the iron may be in use. The threshold, projecting as it does from the body, serves, with the handle C', as a rest for the iron when turned up on its rear end, the threshold in such case serving to so insulate the door as to prevent it from being injured. The door is to be formed so as to turn freely on its pivot through an arc of one hundred and eighty degrees, so as to enable the dog to be placed within or withdrawn from the chamber in the base.

I claim—

The chambered sad-iron made or provided with the threshold *b* and two projections or studs, *c*, to its mouth, and having the door arranged therewith and pivoted to the body, all as specified.

SAMUEL S. FITCH.

Witnesses:

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