T. H. McCAFFREY.

SAD-IRON.

No. 191,873. Patented June 12, 1877.

Fig. 1

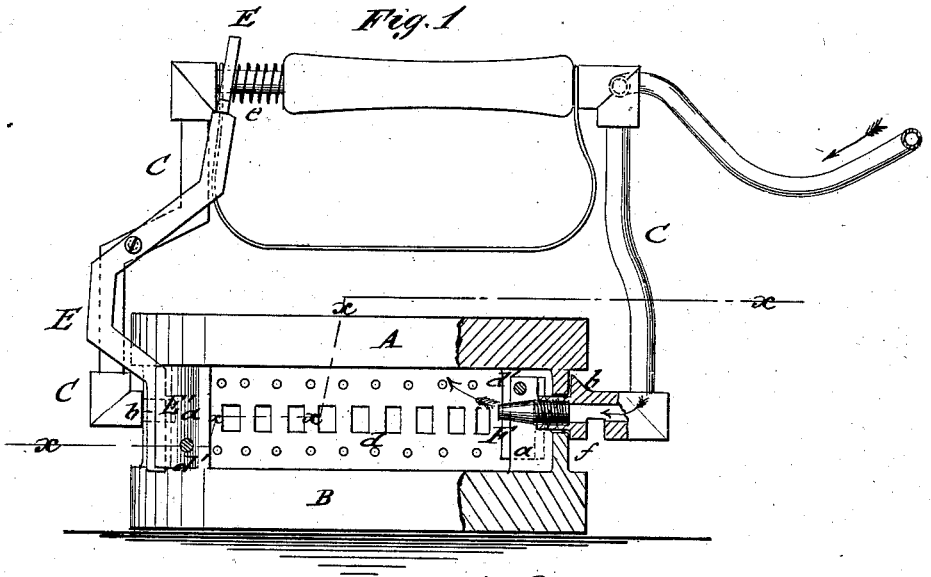


Fig. 2

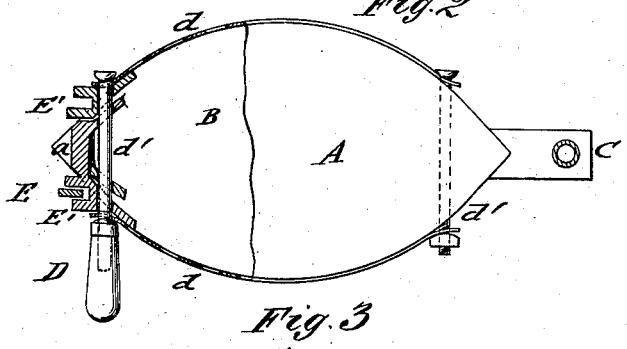
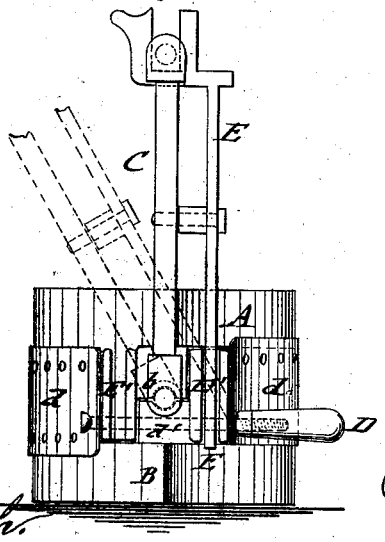


Fig. 3



WITNESSES:

A. W. Almquist

J. W. Scarborough.

INVENTOR:

T. H. McCaffrey

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS H. McCAFFREY, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIMSELF, HENRY J. GORMAN, AND WILLIAM J. ARMSTRONG, OF SAME PLACE.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **191,873**, dated June 12, 1877; application filed April 23, 1877.

To all whom it may concern:

Be it known that I, THOMAS H. McCAFFREY, of Providence, in the county of Providence and State of Rhode Island, have invented a new and Improved Sad-Iron, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation, partly in section, of my improved sad-iron. Fig. 2 is a horizontal section on line *x x*, Fig. 1; and Fig. 3, a front view of the same.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved reversible sad-iron, that is heated by gas, and used continuously by reversing the heated side from time to time.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

In the drawing, A and B represent the top and bottom irons, which are connected by end posts *a*, having pocket-holes, for turning on the inwardly-bent pivots *b* of the handle C. The open sides of the sad-irons are covered with perforated sheet metal, for the purpose of admitting the air to enter freely to the flame. The end posts *a* and perforated sides *d* are rigidly connected by cross-bolts *d'*, of which the front bolt is extended to the outside, and provided with a handle, D, to assist in reversing the sad-iron. The sad-iron is locked to the handle C by a fulcrumed lever, E, that enters, by its lower end, into rigid jaws E' of the front post, so as to rigidly lock the heating-iron in position to the handle. The upper end of the locking-lever is forked, and acted upon by a spiral spring, *e*, so as to keep the lever rigidly in the jaws until withdrawn by the thumb, carrying the lever back until its lower end clears the jaws E', and admits the turning of the sad-iron by the side handle D. When the sad-iron is reversed the lever will lock into the jaws at the other side of the iron, and expose thereby the heated portion for use.

The gas is admitted through a rubber conducting-tube to the rear part of the handle, which is made of gas-pipe, with hollow pivot, that is extended into the interior of the sad-iron, forming a burner, F, therein.

A recess, *f*, of the handle-pivot supplies a certain amount of air, together with the gas, to the burner, the flame burning freely as the air is admitted through the perforated sides. The top iron will always be heated by the flame, and sufficient heat be imparted by the connecting-posts to the lower one to keep the same warm. From time to time, however, the sad-iron is reversed, so that it may be used without interruption, forming, especially in summer, a convenient and effective sad-iron, as it dispenses entirely with an extra fire for heating the same. A guard or shield, G, of suitable material, hung to the handle, protects the hand against the heat in the customary manner.

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

1. A reversible sad-iron having one of the cross-bolts *d'* extended to the outside, and provided with a handle, as and for the purpose described.

2. The combination of the sad-irons A B, having connecting end posts, with lateral fastening-bolts and perforated sides, substantially as described.

THOMAS H. McCAFFREY.

Witnesses:

JAMES WOOD,

JOHN W. COX.