

S. B. SALISBURY & J. McCaHEY.

SAD-IRON.

No. 174,158.

Patented Feb. 29, 1876.

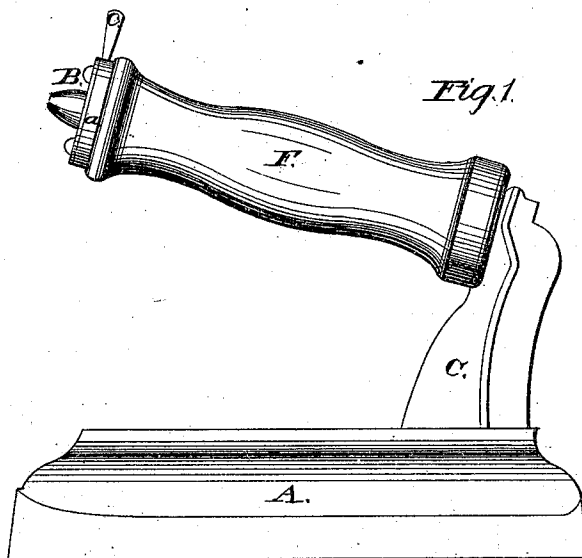


Fig. 1.

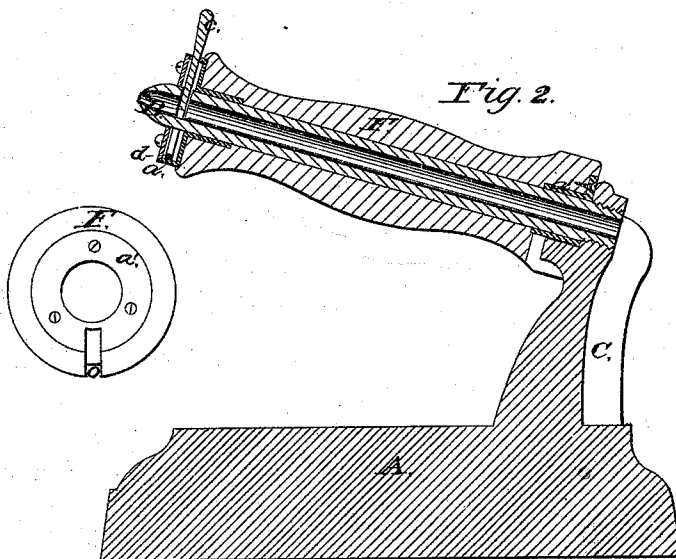
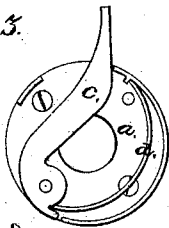


Fig. 2.

Fig. 3.

Witnesses:  
O. L. Stanley  
H. J. Phillips



Inventor  
Stephen B. Salisbury  
John McCahey

# UNITED STATES PATENT OFFICE.

STEPHEN B. SALISBURY AND JOHN McCaHEY, OF PROVIDENCE, R. I.

## IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **174,158**, dated February 29, 1876; application filed September 23, 1875.

*To all whom it may concern:*

Be it known that we, STEPHEN B. SALISBURY and JOHN McCaHEY, of the city and county of Providence, in the State of Rhode Island, have invented certain Improvements in Flat Irons, of which the following is a specification:

This invention consists in constructing the handle so as to be easily removed when the iron is to be heated, and as easily put on again when it is to be used, and in a secure fastening to hold it on when in use; also in placing the handle at an inclined angle to the body of the flat-iron, to make it less tiresome to the hand in using it.

Figure 1 shows a side elevation of the flat-iron. Fig. 2 is a vertical longitudinal section through the center. Fig. 3 shows the front end of the handle with the outside washer removed. Fig. 4 shows the back end of the handle.

A is the body of the flat-iron. C is a standard cast on the body. A rod, B, is secured to the top of this standard with its front end an inch, or thereabout, higher than the back end. F is a handle of wood or some other imperfect conductor of heat. *a a'* are two collar-washers secured to the ends of the handle F. The holes in the washers are made just large enough to go on the rod B easily, while the hole in the handle is made larger, so the wood shall not touch the rod. The washer *a* at the front end of the handle has a recess in its face to receive the latch *c*, which swings on a screw that holds the outside washer on, and fits into a notch cut in the rod B when the handle is on. A spring, *d*, which presses on the lower end of the latch (see Fig. 3) throws it into the notch and tends to keep it there. The washer *a'*, at the back end of the handle, has a recess, *o*, cut in it on the

under side (see Fig. 4) to receive the projecting corner of the flange of standard C, which thereby prevents the handle from turning on the rod. In putting the handle on it is only necessary to keep the notch in the back end down so that the corner of the flange shall enter it, and the end of the rod being pointed, will push the latch to one side until it reaches the notch made for it, into which the spring will throw it, and thus securely lock the handle on. When the iron is put on the heater the handle is easily slipped off by pressing the latch to one side with the thumb of the hand that is on the handle. The single standard at the back end of the flat-iron allows it to be used to more advantage in ironing under folds of cloth, as is sometimes necessary, and the inclined handle enables the operator to use the iron without bending the wrist sideways, and also makes it unnecessary to grasp the handle so tightly to prevent the hand from slipping forward. Both of these advantages lessen the fatigue of ironing. The handle is intended to do away with the usual cloth or holder, and one handle will serve for a set of irons.

Having thus described our improvements, what we claim as our invention is—

1. The removable handle F, in combination with the single standard C, said standard being placed on the back end of the iron, substantially as set forth.

2. The combination of the latch *c*, removable handle F, and rod B, rigidly secured to a standard on the back end of the iron, substantially as and for the purpose specified.

STEPHEN B. SALISBURY.  
JOHN McCaHEY.

Witnesses:

O. C. STANLEY,  
H. Y. PHILLIPS.