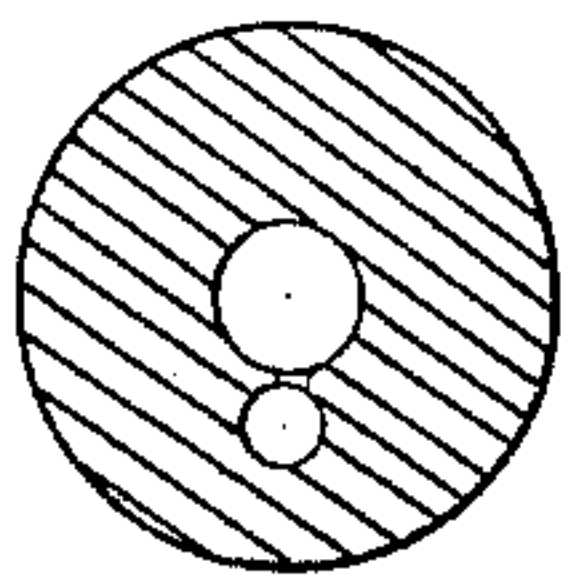
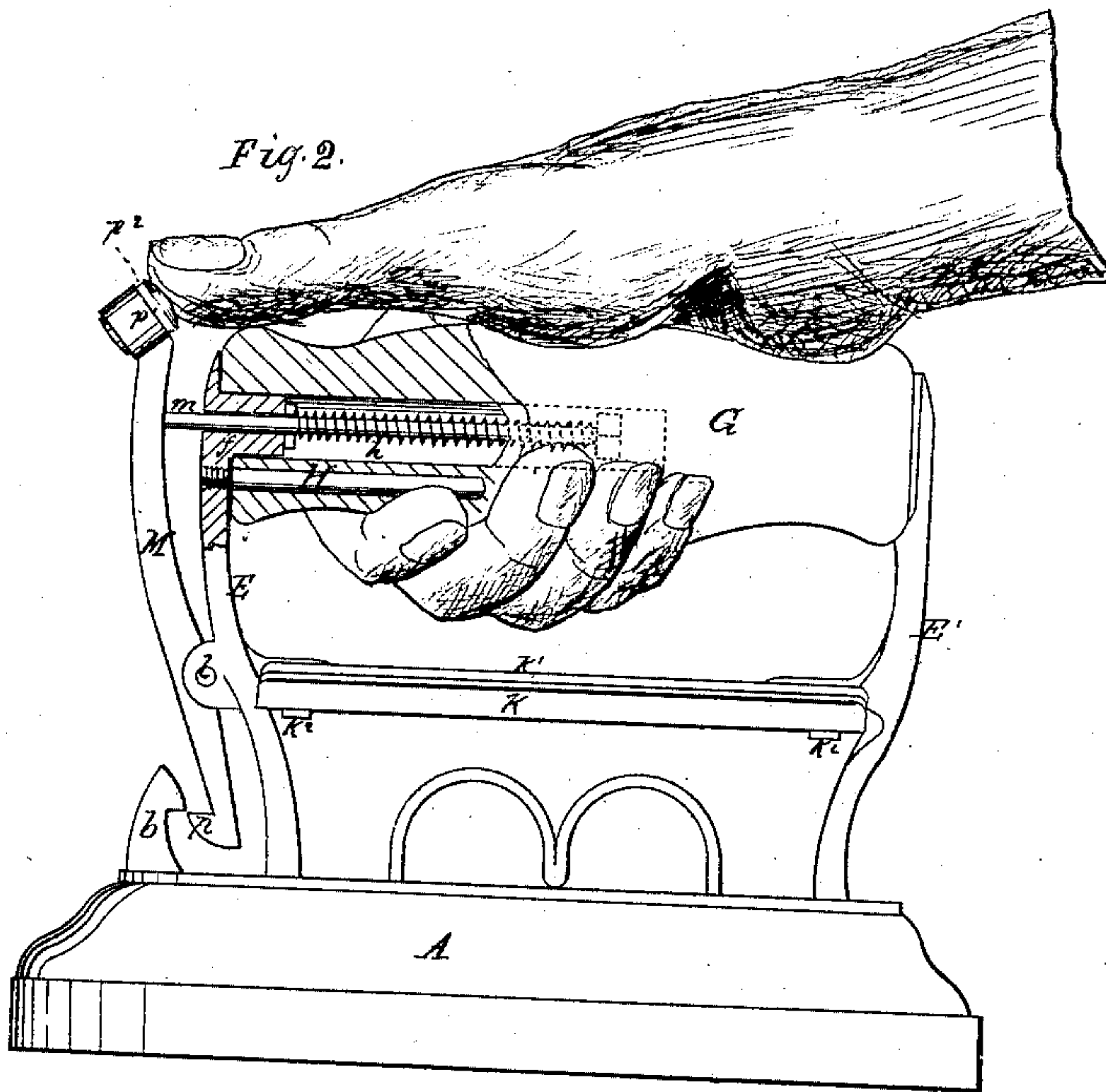
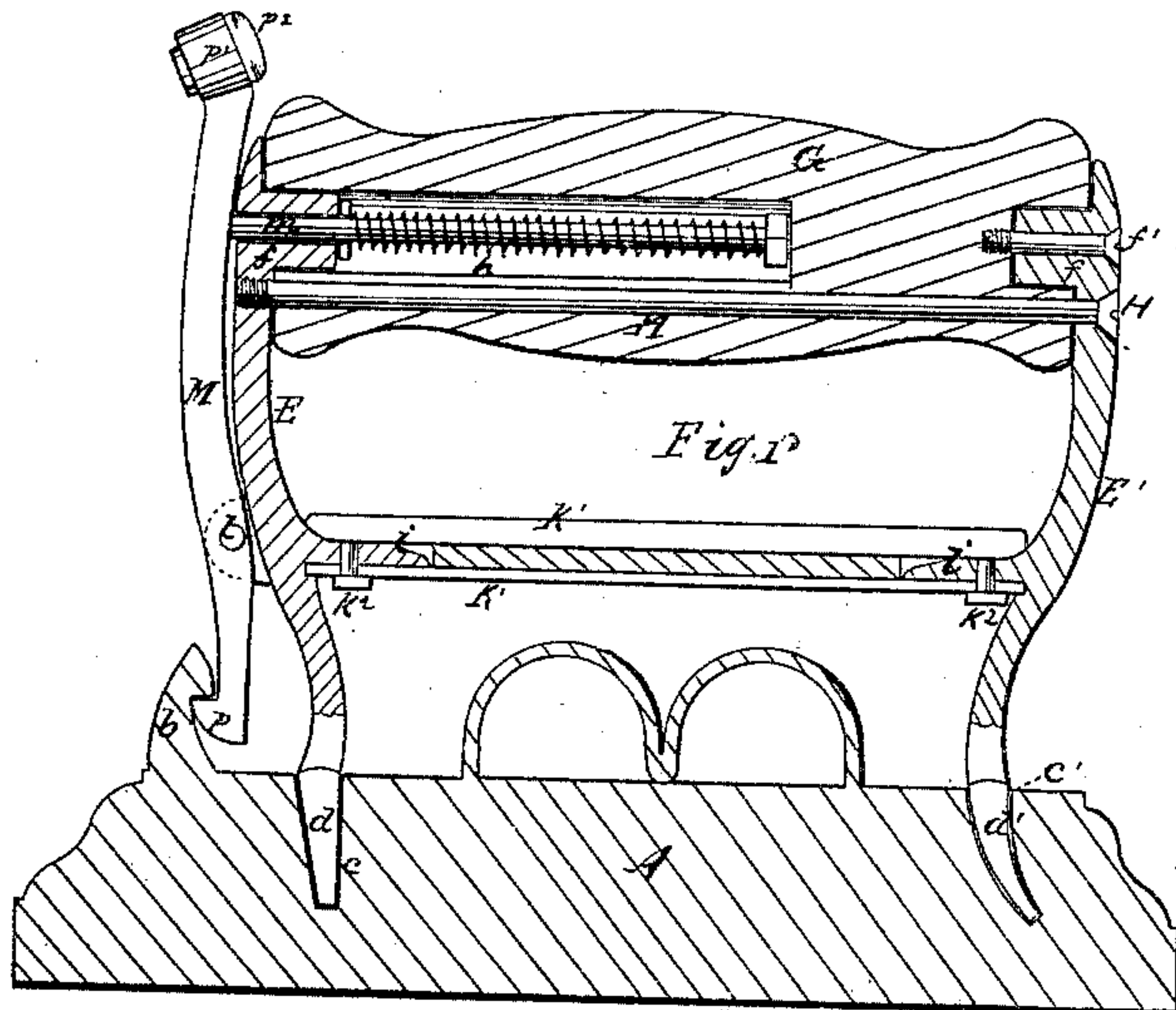


J. Webster,

Sad Iron,

N^o 37,118.

Patented Dec. 9, 1862.



Witnesses

Gustave Dietrich
D. C. Lamm

Fig. 3.

Inventor

Joel Webster

by

Mason Bennett Esq. Attorney

UNITED STATES PATENT OFFICE.

JOEL WEBSTER, OF BROOKLYN, NEW YORK.

IMPROVED SAD-IRON.

Specification forming part of Letters Patent No. 37,118, dated December 9, 1862.

To all whom it may concern:

Be it known that I, JOEL WEBSTER, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Sad-Irons; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and the letters of reference marked thereon, like letters in the several figures indicating the same parts, and in which drawings—

Figure 1 is a longitudinal section of my improved sad-iron; Fig. 2, a view part in elevation and part in longitudinal section, and Fig. 3 a transverse sectional view of the wooden "holder."

The object of my invention is the construction of a sad-iron which readily admits of the detachment of its handle from its main body or portion at the moment the latter is placed in position upon a heated stove-plate or elsewhere, under circumstances where it is desirable for the operator to suddenly withdraw his hand from such locality. It also has for its object the adaptation of a single handle to any given number of the main bodies or portions of sad-irons, so that one may be used while others are being heated, the same handle being used with them all. It also has for its object the automatic attachment of the handle to the main portion of the sad-iron.

As shown in the figures, the main body A of the sad-iron is constructed in general form and outline the same as the ordinary sad-iron, with the exception of a catch, *b*, near its front portion or extremity, and with sockets *c* and *c'* formed in the body A to receive the lower ends, *d* *d'*, of the uprights or pillars E and E' of the sad-iron holder, as clearly shown in Fig. 1. The upper ends of the pillars E and E' are provided with shoulders *f*, let into the wooden handle G, one at each end, the pillar E' being secured to its end of the handle G by a screw, *f'*, as shown, while the shoulder of the pillar E is permitted to enter a circular cavity, *h*, formed central and longitudinal of the wooden holder, as indicated, and in such position the upper ends of the pillars are permanently and securely held by the screw-rod H, as represented. The pillars E and E', as at *i*, are each provided with projections, which sustain a heat-shield, *k*, of metal, its upper surface being provided with a felt covering,

k', to more effectually protect the hand of the operator from the heat of the main portion A of the sad-iron, said metal shield *k* being held in position by screws *k*², passing through it and the projections *i* *i*, as shown, thus also serving the purpose of holding the lower portions of the uprights E and E' in proper relation to each other when withdrawn from the main portion A. Forward of the pillar E, and pivoted thereto, as at *l*, I provide a thumb-lever, as at M, its lower extremity terminating in a catch, *p*, to engage, as occasion may require, with the catch *b*. The upper end of this lever extends up a short distance above the wooden holder G, and terminates in a circular socket, *p'*, which is made to contain a plug of cork, as at *p*². This lever is also provided with and permanently attached to a rod, *m*, which passes through the shoulder *f* of the upright E and enters the opening or circular aperture *h* in the handle G, as shown, and which rod is so surrounded by a coil-spring, and actuated thereby, that when the rod is forced forward or out of the handle G, as shown in Fig. 2, the tension of the coil will act to return the rod and the thumb-lever *m* to the position they occupy in Fig. 1. Supposing that it is desirable to remove the handle G, uprights E E', and their attachments altogether from contact with the part A, the operator, having grasped the handle, as represented in Fig. 2, can, by the simple thrust of his thumb, as shown in last-named figure, effect the disengagement of the catches *b* and *p*, whereupon the lower extremities of the pillars E and E' can readily be lifted out of their sockets *c* *c'*.

It is obvious that a connection may readily be effected between the part A and the sad-iron holder by first inserting the extremity *d'* of the pillar E' into its socket *c'*, and thereupon forcing down the forward portion of the holder, so that the part *d* shall enter its socket *c* at the same time the catch *p* of the thumb-lever M is pressed down past the catch *b* of the part A, thus bringing all the parts of the implement into the condition and relation shown in Fig. 1.

By the means I have described I am enabled to effect, instantaneously, the connection of the holder with the heated portion A, or its disconnection therefrom; and by constructing sad-irons as described any number of the

parts A can be used successively with but a single holder. It will be seen that by extending the thumb-lever M slightly above the wooden portion G, and providing it with a cork, *p'*, or other non-heat-conducting substance, the operator can, by the simple articulation of his thumb, effect the disconnection described without removing his hand from its clasp upon the part G, and that, too, without incurring the danger of burning the hand.

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

The thumb-lever M, in combination with the uprights E and E' and main portion A, substantially as described.

JOEL WEBSTER.

Witnesses:

J. G. MORGAN,
C. H. TONGER.