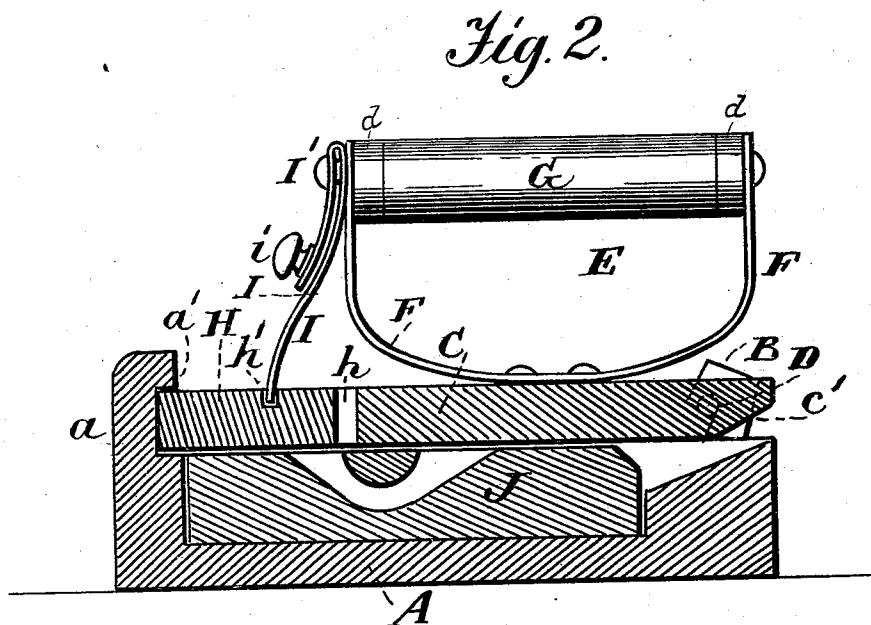
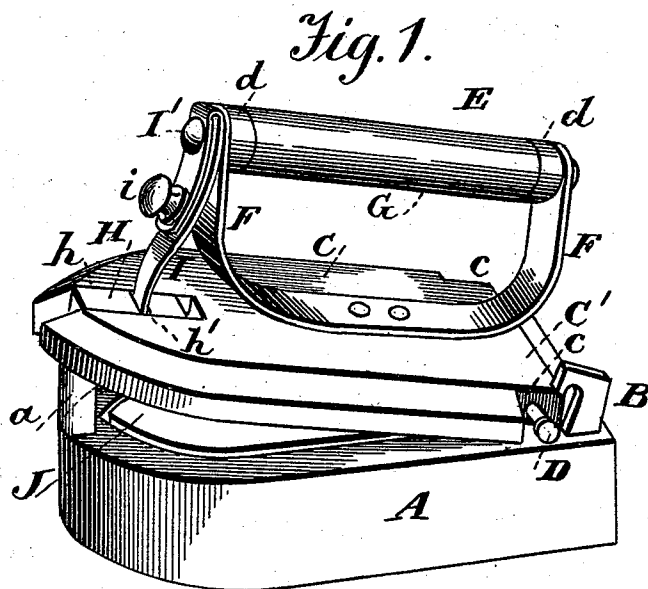


(No Model.)

L. O. TULLIS & J. M. COX.
SAD IRON.

No. 498,370.

Patented May 30, 1893.



Witnesses.
A. Ruppert.

P. J. Rogers, Jr.

Inventors
Lyman O. Tullis and
John M. Cox,
by *Franklin H. Hough*
their atty.

UNITED STATES PATENT OFFICE.

LYMAN O. TULLIS AND JOHN M. COX, OF ATHENS, OHIO.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 498,370; dated May 30, 1893.

Application filed February 11, 1893. Serial No. 461,877. (No model.)

To all whom it may concern:

Be it known that we, LYMAN O. TULLIS and JOHN M. COX, citizens of the United States, residing at Athens, in the county of Athens and State of Ohio, have invented certain new and useful Improvements in Sad-Irons; and we do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to certain new and useful improvements in sad irons of that class in which is provided a substantially hollow body with a hinged lid and a catch or latch for holding the lid closed, and a removable
20 heating block.

It has for its object among others to provide an improved and simplified device of this character which shall be more durable and complete and in which the lid may be entirely removed when desired without removal
25 of any of the connecting parts.

It has for a further object to provide an improved catch or latch for holding the lid in its closed position said latch being provided with
30 operating means arranged to be manipulated by the fingers while still grasping the handle of the iron, and means being provided for preventing burning of the hands while manipulating the said latch or catch. We provide a
35 hollow body the rear end of which is tapered upon its upper wall to facilitate insertion of the heating block and to permit the turning of the lid on its pivots, the under side of the lid at the rear end being likewise tapered.
40 The lid is provided at its rear end with headed pins which engage notched pieces or plates on the body portion which allow the lid to be turned thereon as upon pivots and still allow of separation of the lid from the body portion
45 when desired. We provide a hook at the front end of the body portion to be engaged by a sliding bolt or catch or latch which is arranged to be moved forward or back by a lever mounted on the handle and provided with a hand-
50 piece or knob by which it is actuated. The handle support is preferably of spring metal

so as to be compressed slightly to facilitate movement of the said lever.

The device as a whole is complete, composed of few parts, and those readily assembled, and in practice the iron has proven most efficient
55 for the purposes for which it is intended.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by
60 the appended claim.

The invention in the present instance resides in the peculiar combinations, and the construction, arrangement and adaptation of parts whereby the above ends are accom-
65 plished, all as more fully hereinafter described, shown in the drawings and then particularly pointed out in the claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part
70 of this specification and in which—

Figure 1 is a perspective view of our improved sad iron with the lid shown as thrown up. Fig. 2 is a central vertical longitudinal
75 section through the same.

Like letters of reference indicate like parts in both of the views.

Referring now to the details of the drawings by letter; A designates the body portion
80 of the iron which is hollow and at its front end is provided or formed with an upwardly-extending hook *a* with an overhanging upper portion *a'*. The rear upper face of the body portion is tapered or inclined from the rear
85 toward the cavity of the body portion and upon each side thereof near the rear end are the upwardly-extending hooks B which may be inclined slightly to the rear as seen in Fig. 1; they may be integral with the body portion
90 or formed separate therefrom and affixed thereto in any suitable manner.

C is the lid; it is formed at its rear end with a notch *c* upon each side forming the extension C' the under face of which is beveled or tapered as seen at *c'* in Fig. 2. Projecting from each side of this extension is a horizontal headed pin D or analogous device which is adapted to engage in the notches of the hooks B on the rear of the body portion and
95 to rest therein and serve as pivots upon which the lid may be swung when desired. The lid

may be easily removed from the iron when desired by simply inclining it slightly and then moving it forward and lifting it up as will be readily understood from Fig. 1. The 5 taper of the under side of the rear end of the lid and that of the rear end of the body portion provides for the easy turning of the lid upon its pivots.

E is the handle; it is formed preferably as 10 follows: F is the handle support; it is formed of a piece of spring material preferably in the shape of a U secured to the top of the lid by any suitable means and the ends of the said piece secured to and connected by the wooden 15 portion G, the ends being insulated by means of rings of asbestos between the ends of the portion G and the ends of the handle support F as seen at *d* to prevent burning of the wooden portion by the heat from the iron. 20 This construction of handle permits of bodily movement of the handle by the elasticity of the spring piece, and this movement facilitates the manipulation of the lever which operates the latch. This latch H is seated in a 25 longitudinal groove *h* in the front end of the lid; the latch is adapted to engage the hook on the front of the body portion, its forward end engaging under the overhanging portion thereof. The latch is provided upon its upper 30 face with a transverse slot *h'* in which is engaged one end of the lever I, the said lever consisting preferably of a single piece bent upon itself to form a long arm and a short arm, the free end of the long arm being that 35 which is engaged in the said slot in the latch while the free end of the short arm is pro-

vided with a knob or equivalent device *i* as seen in Fig. 2. It operates to normally hold the latch outward in engagement with the notch in the hook *a* as seen in Fig. 2. The 40 said long and short arms may however be formed of two pieces; both are secured to the front end of the handle by the same fastening device I'.

J is the heating block removably fitted in 45 the hollow of the hollow body portion, and provided with a cross bar or analogous means for the reception of the tool by which it is removed and inserted in position.

The operation will be readily understood 50 from the foregoing description when taken in connection with the annexed drawings and a further detailed description thereof is not deemed necessary.

What we claim as new is— 55

The herein described sad-iron consisting of the hollow body portion having hooks at the rear end and a hook at the front end, a lid having projections to engage the hooks at the rear end, a spring supported handle, a sliding 60 latch on the front end of the lid, a lever on the handle engaging the latch, and a knob on the lever, all substantially as and for the purpose specified.

In testimony whereof we affix our signatures 65 in presence of two witnesses.

LYMAN O. TULLIS.
JOHN M. COX.

Witnesses:

A. W. COX,
DON D. TULLIS.