(No Model.) 2 Sheets—Sheet. 1.

G. W. KENNEDY & J. B. MOERY.

SAD IRON.

No. 590,066. Patented Sept. 14, 1897.

Fig. 1.

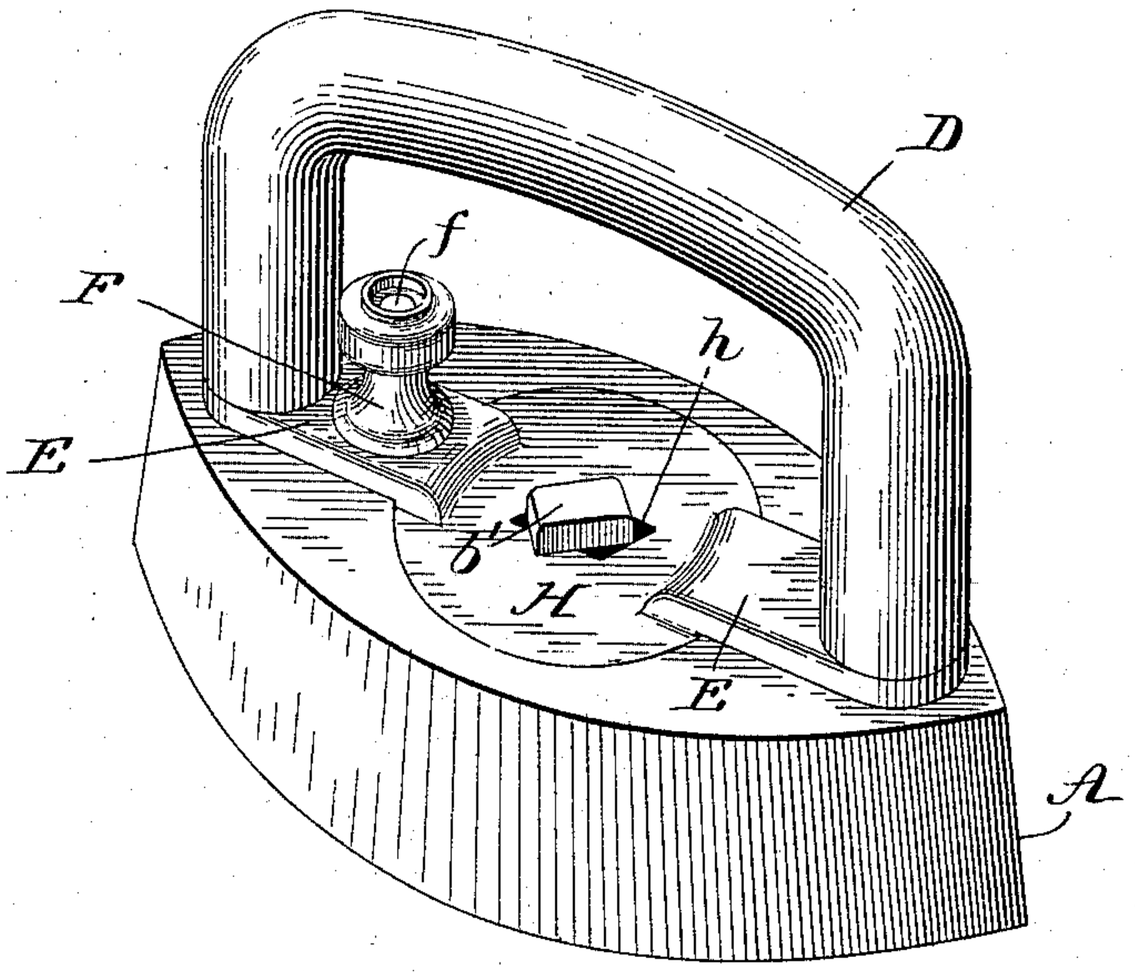
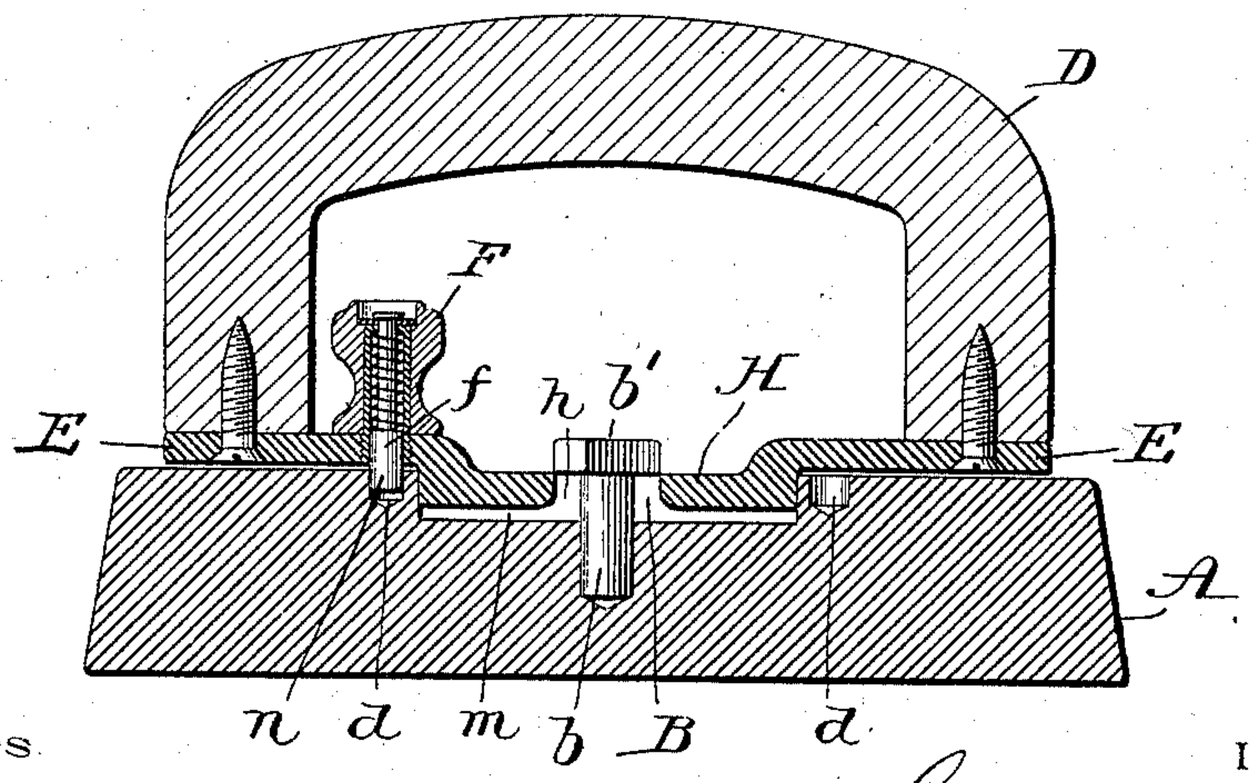


Fig. 2.



Witnesses.
A. V. Groupe
C. E. Parker

Inventors
Geo. W. Kennedy and John B. Moery
by F. N. Hewton
Attorney.

(No Model.) 2 Sheets—Sheet 2.

G. W. KENNEDY & J. B. MOERY.

SAD IRON.

No. 590,066. Patented Sept. 14, 1897.

Fig. 3.

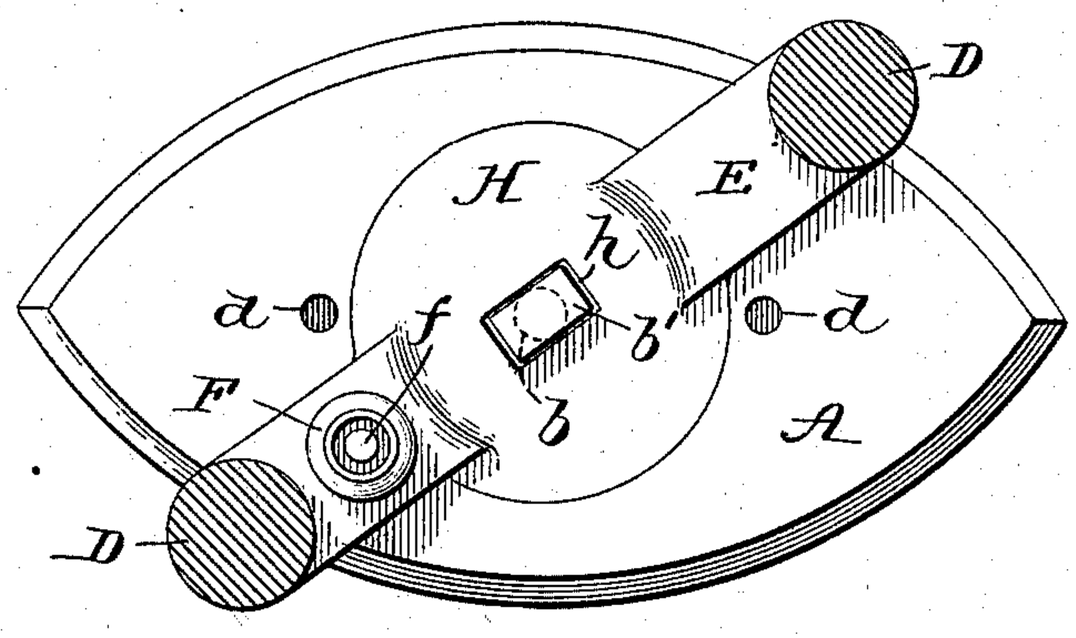


Fig. 4.

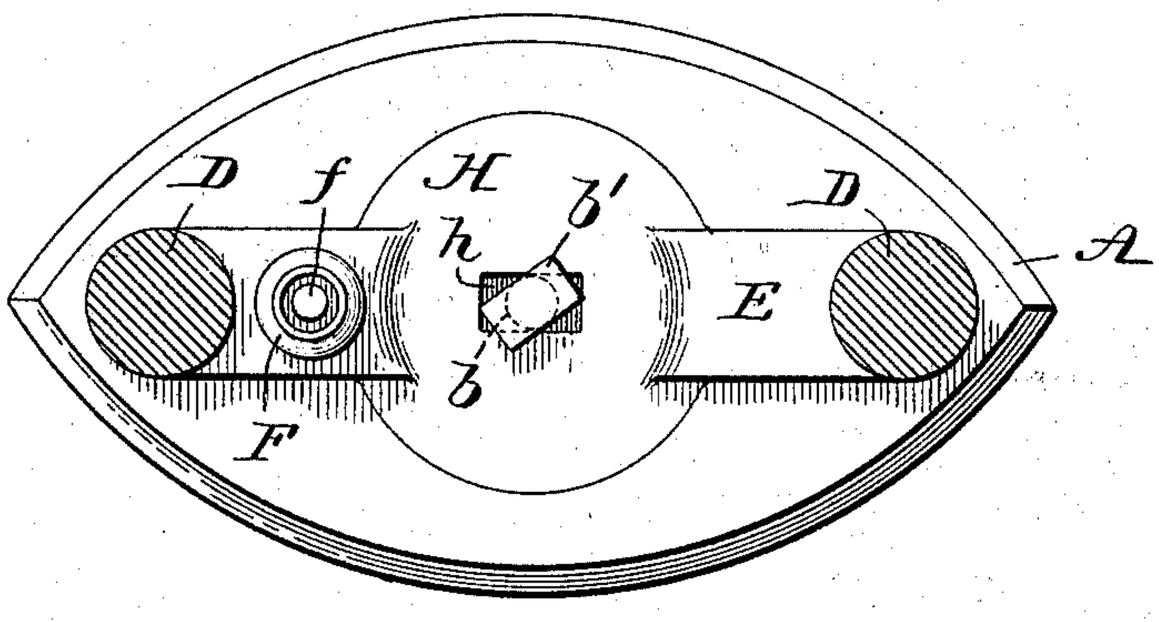


Fig. 5.

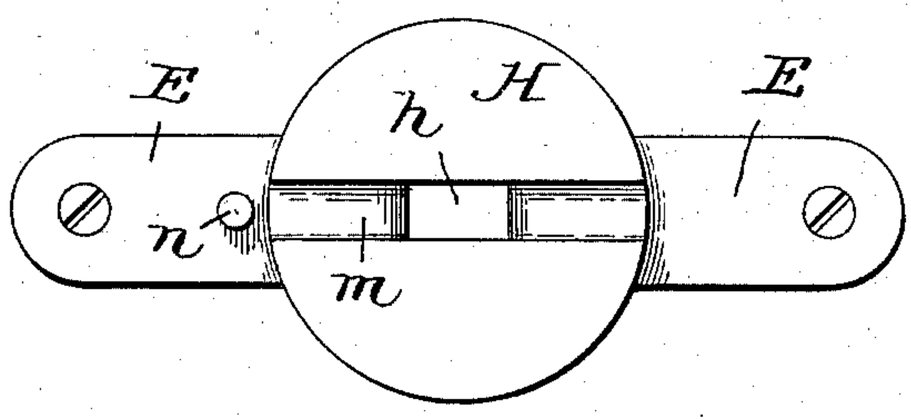
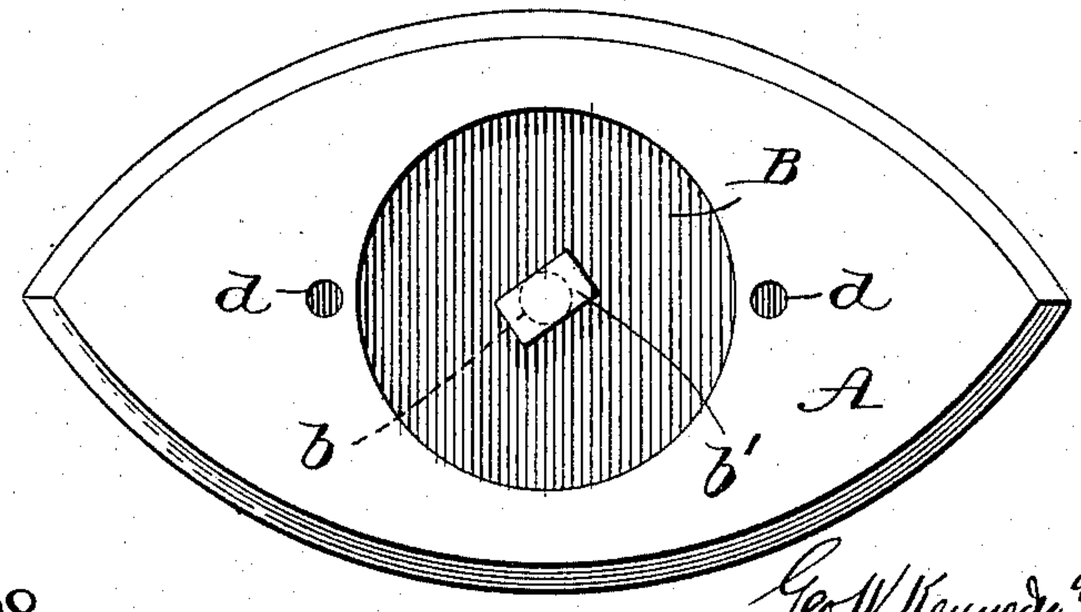


Fig. 6.



Witnesses.

A. V. Groupe

C. E. Parker

Inventors

Geo W. Kennedy and John B. Moery

by Thos. V. Keelon

Attorney.

UNITED STATES PATENT OFFICE.

GEORGE W. KENNEDY AND JOHN B. MOERY, OF PHILADELPHIA, PENNSYLVANIA.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 590,066, dated September 14, 1897.

Application filed May 13, 1897. Serial No. 636,290. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. KENNEDY and JOHN B. MOERY, citizens of the United States, and residents of the city of Philadelphia, in the State of Pennsylvania, have jointly invented certain new and useful Improvements in Sad-Irons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

Our invention relates to that class of sad-irons in which the handle is separable from the iron proper in order not only to provide a cold handle, but thereby to adapt a single handle to several irons.

Our improvement in devices of that character has for its object to enable the separable handle to be attached and detached with greater facility than in present known devices; also to provide a locking device that will operate with greater certainty and be more readily brought in and out of action, respectively.

To these ends our invention consists in providing a separable handle with a circular rotatable base-plate having an opening to admit therein a locking-pin, in combination with an iron having a circularly-recessed face adapted to receive the base-plate of the handle and a central locking-pin adapted to enter the opening in the base-plate of the handle with a spring-pin between the handle-plate and the iron adapted to normally enter an opening in the latter when the parts are brought into register, all substantially as hereinafter described and claimed.

Our invention also comprises various other details of construction, which are fully shown in the drawings and will be hereinafter described at length, and pointed out in the several claims.

In the accompanying drawings, Figure 1 is a perspective view of our improved cold-handle sad-iron. Fig. 2 is a vertical longitudinal section, the section being through the groove shown in Fig. 5. Fig. 3 is a plan view with the handle-top partly removed, the parts being in the first position to bring them into register. Fig. 4 is a like view with the parts in register and locked. Fig. 5 is a plan view of the under face of the handle-plate, and Fig. 6 is a plan view of the iron with the handle removed.

An iron of any usual shape or form is represented at A. Its upper flat face is recessed circularly at B, and at the center of the recess is secured a vertical pin *b*, carrying a locking pin-head *b'*, preferably of rectangular form, and this pin-head is placed at an angle to the length of the iron for the purpose hereinafter described. On the face of the iron, on either side of the recess B and opposite each other, are holes *d d*, drilled therein for the purpose hereinafter mentioned. So far as described Fig. 6 of the drawings shows (separate from the handle) an iron body so constructed provided with the parts mentioned.

The handle consists of a grasping-piece D, usually of wood, which is fastened by screws (see Fig. 2) to the projecting lugs of a base-plate, the latter consisting of a circular disk H, adapted in circumferential size to register with the recess B in the face of the iron and be revoluble in said recess. The circular disk H has projecting lugs E E on two opposite sides. One of said lugs has a hole *n* drilled in it (see Fig. 5) to admit the passage of a locking-pin *f*, (see Fig. 2,) and said pin is mounted in a suitable hollow handle F and surrounded by a coiled spring, normally forcing the pin outward. The handle engages the head of the said pin in the manner shown in Fig. 2, so that by raising the said handle the pin may be lifted or withdrawn from its engagement with the iron, as hereinafter described. The circular disk H of the handle base-plate is centrally perforated at *h* to correspond in form with and freely admit the passage through it of the pin-head *b'* on the iron A.

It will be seen that the disk or base-plate H is depressed or offset below the plane of the lugs E, so that it seats flush within the recess B and in this manner not only makes a much neater appearance and finish, but also does away with projections above the body of the iron with which the hand may come in contact. The construction also provides an edge-bearing for the said disk or base-plate.

The under face of the disk H of the handle

base-plate is grooved at *m* (see Fig. 5) in line with the central opening *h*, so that it may easily embrace the pin-head *b'* of the iron when the parts are initially brought into position in order to finally bring them into register.

The operation of the device is as follows: A single handle of the character described is provided for a set of irons A, each constructed as stated and having the parts shown in Fig. 6. When the handle is applied to the iron, the said parts are relatively in the position shown in Fig. 1. The pin-head *b'* of the iron projects crosswise above the recess *h* in the handle-disk H, and the spring-pin *f*, mounted in the handle-plate, passes through the pin-hole *n* therein and is normally in the pin-hole *d* of the iron. Thus the handle and the iron are locked and prevented from becoming separated. When it is desired to release the handle and separate it from the iron A, the operator's hand grasps the handle-bar D and with the finger and thumb lifts the spring-pin handle F, drawing the pin *f* out of the hole *d* in the iron, and then by a slight turn of the sad-iron handle the pin-head *b'* is brought into line with the opening *h*. The reverse of this movement is employed to apply the separable handle to the iron, as indicated in Figs. 3 and 4, the handle being initially applied to the iron in the manner and relative position of parts as shown in Fig. 3, whereupon a slight turn of the handle to bring it in line with the length of the iron will cause the spring-pin *f* to drop into the hole *d* and prevents the parts from moving or rotating laterally. It is obvious that the shape of the pin-head *b'* and slot or opening *h* may be correspondingly varied, and it is equally obvious from the description given that the groove *m* on the under face of the disk H is not absolutely essential to the operation, but is desirable to facilitate the bringing of the slot *h* therein with ease and certainty over the pin-head *b'* of the iron and cause it to register therewith without difficulty.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a sad-iron body having in its flat upper face a circular recess and a pin mounted centrally in the said recess and having an oblique head at its upper projecting end, of a separable handle having inwardly-extending lugs E carrying a circular base-plate which is offset downwardly below the plane of said lugs and is adapted to seat revolubly within the said recess and have an edge-bearing therein, said plate having therein a slotted opening to receive the said pin, together with a supplemental locking device adapted to secure the parts against rotation when brought to register, substantially as specified.

2. A separable handle and iron, the iron having a circularly-recessed face B, pin *b* with head *b'* and one or more holes *d*, *d*; and the handle having a disk-like base-plate H with central slot *h* and groove *m* and lugs E, in combination with an additional spring locking-pin *f* adapted to normally lock the handle-plate to the iron when the parts are brought into register; substantially as described.

3. The combination with a sad-iron body having its upper face provided with a circular recess sunk therein, and a headed locking-pin mounted centrally in the said recess, of a separable handle having a circular base-plate adapted to seat rotatably within the said recess, said plate having a slotted opening to receive the locking-pin, and also having, upon its under side and in line with the said opening, a groove *m*, together with means for preventing rotation of the parts when brought to register, substantially as specified.

In testimony whereof we have hereunto affixed our signatures this 11th day of May, A. D. 1897.

GEORGE W. KENNEDY.
JOHN B. MOERY.

Witnesses:
JESSE GILBERT,
ALBERT E. MILLER.