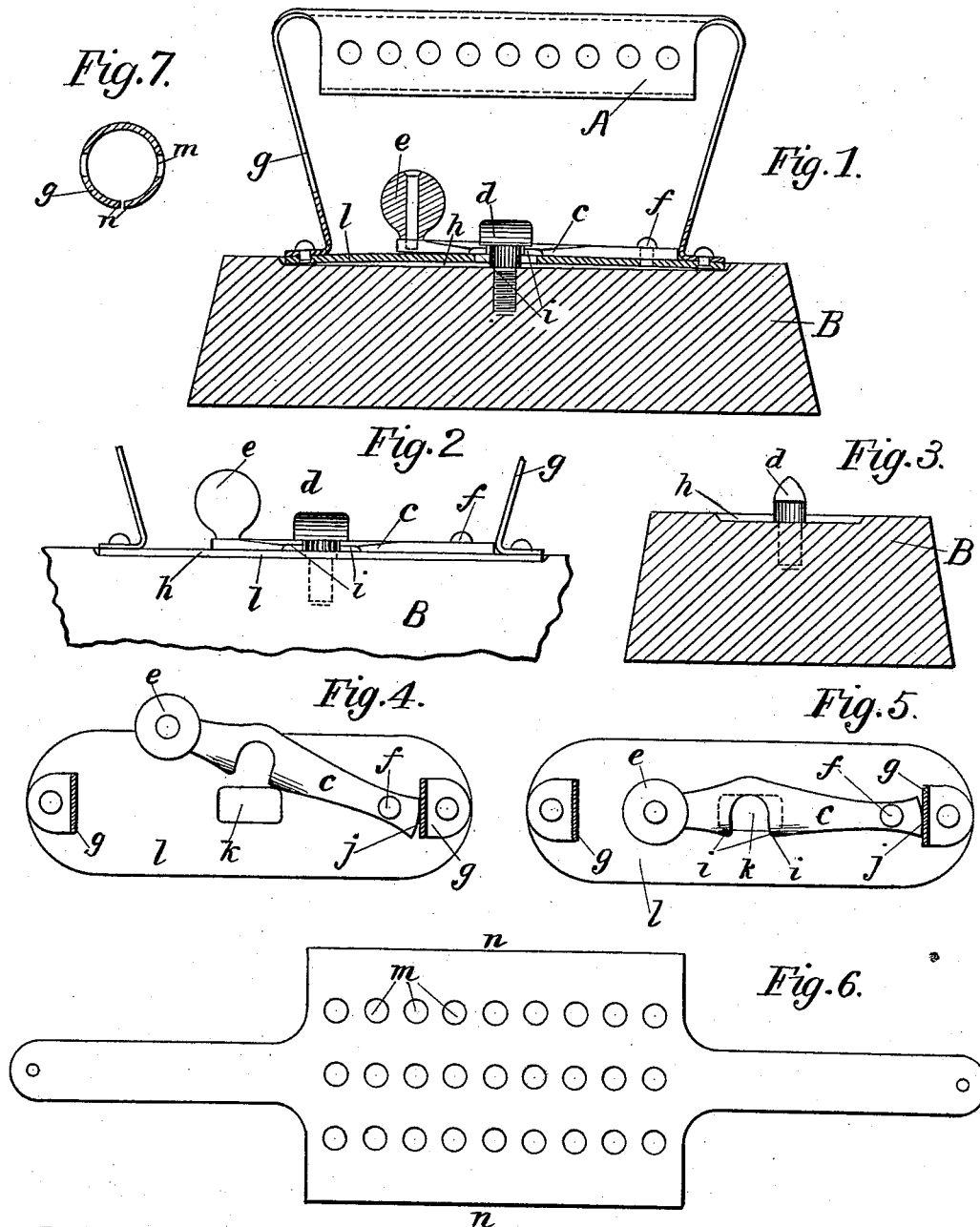


(No Model.)

W. J. PLATT.
SAD IRON.

No. 523,236.

Patented July 17, 1894.



Witnesses:

George W. Drake.
James W. Chesnut

Inventor.

Wilbur J. Platt.

UNITED STATES PATENT OFFICE.

WILBUR J. PLATT, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO
TRUMAN D. PECK, OF SAME PLACE.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 523,236, dated July 17, 1894.

Application filed April 16, 1892. Serial No. 429,490. (No model.)

To all whom it may concern:

Be it known that I, WILBUR J. PLATT, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Sad-Irons with a Detachable Handle, of which the following is a clear and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in sad-irons with detachable handles and its objects are to provide a simple and efficient form of fastening the handle to the iron, and a light and serviceable form of handle which will not easily be affected by the heat of the iron.

My invention consists in the mechanism hereinafter described, shown in the accompanying drawings and designated in the claims.

In the accompanying drawings Figure 1, is a sectional view of the iron with the handle in position but not locked. Fig. 2 is a side view showing the lever closed and handle fastened parts being broken away. Fig. 3 shows a sectional end view of half the iron, and its stud. Fig. 4 is a top view of the plate with the lever open. Fig. 5 is a top view of the plate with the lever closed. Fig. 6 is a view of the handle blank as it is pressed out, before forming it to its finished shape. Fig. 7 is a sectional end view of the tubular part of handle.

In the figures a stud *d* is seen secured to the center of the upper face of the body of the iron which stud is provided with a horizontally extending head, giving a T appearance to the stud.

A shallow recess *h* is formed in the upper face of the iron B about the stud, and it extends longitudinally through the face leaving a broad rim of raised metal about it. In this recess is fitted accurately the stamped plate *l* which is provided with a slot *k* through which the stud *d* passes. The recess *h* prevents the turning of the plate *l* on the iron.

To the ends of the plate *l* are riveted the vertical arms *g* of the handle A which after being struck from sheet metal and perforated as shown at *m* in Fig. 6 is formed into shape

as shown in Figs. 1 and 7. The edges *n, n* shown in Fig. 6 are rolled and brought together, forming a hollow perforated handle as shown.

The lever *c* pivoted at *f* to the plate, *l*, is provided with the wooden knob *e* riveted thereon in such a position as to be readily reached by the fore finger and thumb when the hand rests on the handle, so that the lever can be pressed under or removed from the head of the stud *d*. The lever is slotted transversely to receive the stud.

It will be seen that the plate, *l*, is curved upwardly in the center in such a manner that pressure will be required thereon to force the lever under the head of the stud so that a spring fastening is secured to retain the lever and head in engagement. The corners of the slot in the lever where it engages the head in entering or withdrawing from under the head are beveled off at *i i* to facilitate its passage.

The lever is extended to the rear beyond the pivotal point and so shaped as to come into contact with the rear arm of the handle at *j* when the lever has passed beyond the stud so as to be out of engagement therewith, thus forming a stop which prevents the lever from swinging so far as to be beyond the reach of the finger when using the iron.

The advantages of the device are obvious since the handle will not be liable to breakage or overheating, while the lock is positive and easily accessible to the operator; but

What I do claim as new, and desire to secure by Letters Patent, is—

1. In a sad iron the combination of a solid cast base or smoothing iron provided with an elongated shallow recess in its upper surface, and a T shaped lug projecting vertically from said recess, a curved spring plate registering within said recess and provided with a longitudinal slot through which said T shaped lug passes, a sheet metal handle riveted to said spring plate, and means for fastening the plate detachably to the base consisting in the catch lever slotted on one side to inclose the neck of the T shaped lug, and extended at the rear to engage the upright portion of the handle and limit the outward movement of the lever, substantially as described.

2. In a sad iron the combination of a solid base provided with a shallow longitudinal recess in its upper portion and a T shaped lug, a handle provided with a spring plate adapted to closely fit within said recess, and a fasten-
5 ing lever pivoted to said plate and provided with a transverse slot open at one end and a stop extension beyond said pivot as and for the purpose set forth.
- 10 3. In a sad iron a solid cast base provided with a longitudinal shallow recess in its upper surface, a curved spring plate to which a sheet metal handle is secured, adapted to closely fit said recess and means for clamping the plate in said recess substantially as de-
15 scribed.

WILBUR J. PLATT.

Witnesses:

TRUMAN D. PECK,
JOSEPH B. PLATT.