(No Model.)

E. O. WOOD.

SAD IRON.

No. 341,619. Patented May 11, 1886.

Fig. 3.

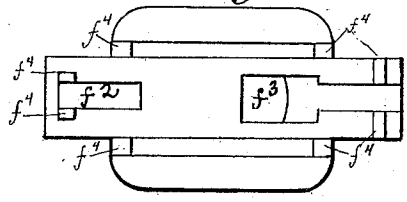


Fig. 1.

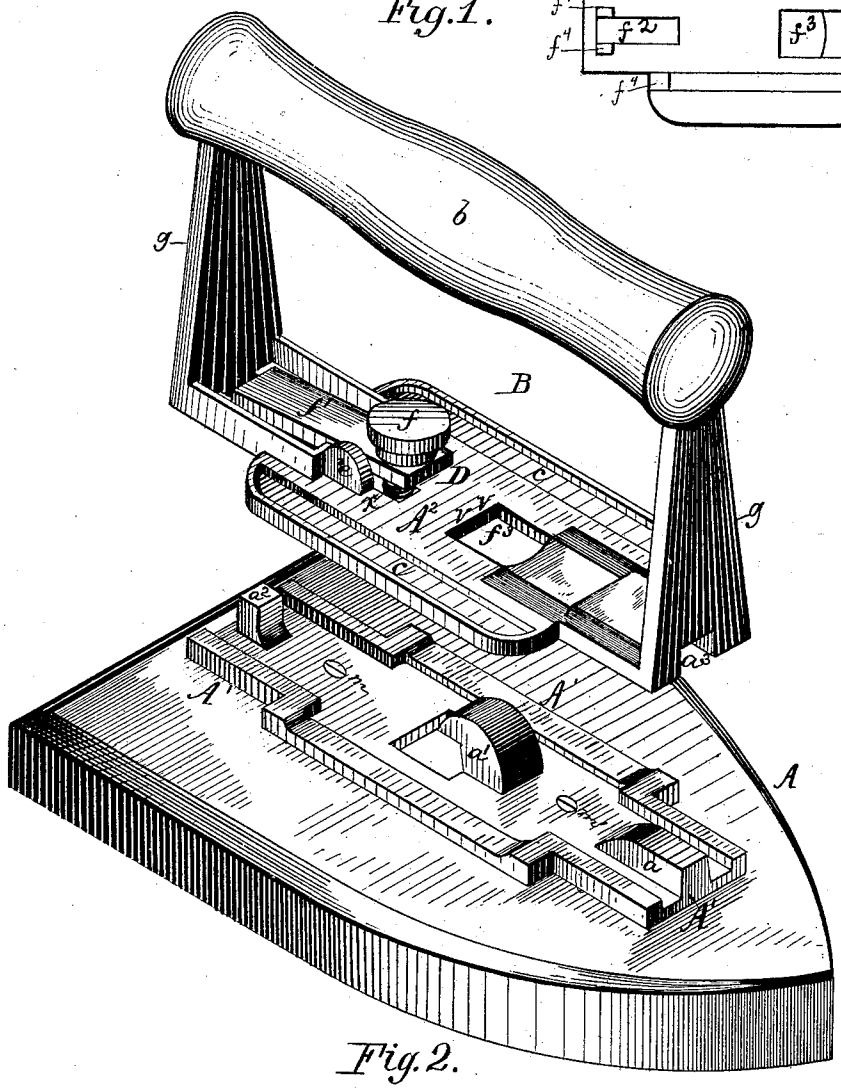
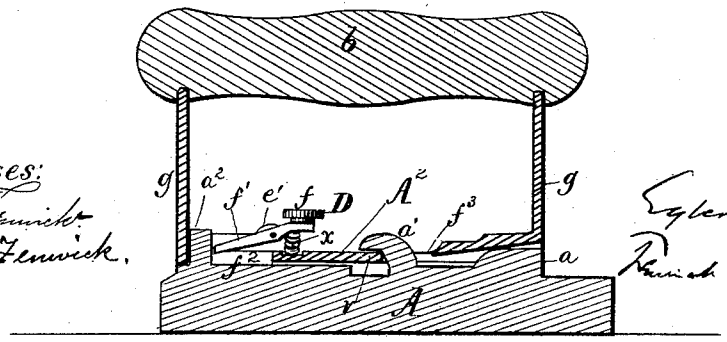


Fig. 2.



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UNITED STATES PATENT OFFICE.

EGBERT O. WOOD, OF NASHUA, NEW HAMPSHIRE.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 341,619, dated May 11, 1886.

Application filed May 4, 1885. Serial No. 164,332. (No model.)

To all whom it may concern:

Be it known that I, EGBERT O. WOOD, a citizen of the United States, residing at Nashua, in the county of Hillsborough and State of New Hampshire, have invented a new and useful Improvement in Sad-Irons with Removable Handles, of which the following is a specification.

In the accompanying drawings, Figure 1 is a perspective view of my improved sad-iron with a removable handle, the handle being shown in position above the body of the sad-iron, ready to be attached thereto. Fig. 2 is a longitudinal vertical central section of Fig. 1, the handle being shown in attached position to the body of the sad-iron; and Fig. 3 is an inverted view of the removable handle portion of the sad-iron, and shows lugs f^4, which project downwardly from the plate A′ of said handle portion, in order to keep the plate A′ from full contact with the body portion A, when said plate and body portion are connected ready for use, this construction being a modification of that shown in Fig. 1.

The object of the invention is to furnish ready means for attaching and detaching the handle of a sad-iron, which handle may serve as such for the body portion of either one or more sad-irons.

In the figures, A indicates the ordinary body portion of a sad-iron, and which is made with a longitudinal central projecting portion, A′, which affords a seat for the handle B when in place thereon, as shown in Fig. 2, and which at the same time prevents the locking metal plate A^2 of the handle from coming in full contact with the heated body portion A when the sad-iron is in the act of use. The raised portion A′ is provided with a forward guide-lug, *a*, a central hook-lug, *a′*, and a retaining-lug, a^2, as shown. The handle B is provided with a hand-bar, *b*, of wood, applied to upright portions *g g* of the metal plate A^2, as shown, and is adapted to be grasped by the hand of the operator, the side flanges, *c c*, serving to shield the hand of the operator from the heat of the body A while in the act of ironing.

D indicates a thumb lock-bar pivoted to lugs *e e′* of the plate A^2, as indicated in the figures, and is composed of a thumb-button, as *f*, applied to the forward end of a lever-plate, *f′*, the rear end of which is directly over an opening, f^2, through the plate A^2 of the handle B, said thumb lock-bar D being held in normal position (shown in the figures) by the upward pressure of a coil-spring, *x*, suitably applied between the forward end of the thumb lock-bar D and the plate A^2, as shown.

In the act of applying the handle B to its seated position, (shown in Fig. 2,) the forward end of the handle is tipped down, so as to cause its channel-way, as a^3, to become seated over the guide-lug *a* at a point midway of the length of said lug. This act properly "centers" the handle B, whereupon the handle is then fully depressed until the plate A^2 becomes properly seated upon the raised portion A′ of the sad-iron. This act of fully depressing the handle B will cause the hook-lug *a′* to pass up through the opening f^3 of the plate A^2, while the lug a^2 will also project up through the opening f^2 of said plate, and with the rear end of the lever-plate *f′* of the thumb-bar D resting upon the top of the lug a^2. The handle B is now shoved forward, thus bringing the portion *v v* of the plate A^2 directly under the hook-lug *a′*, as shown in Fig. 2, while at the same time the rear portion, *f′*, of the thumb lock-bar D will fall down forward of the lug a^2, and over that portion of the opening f^2 not occupied by the lug a^2. In this manner the handle B becomes automatically locked to the body portion A of the sad-iron. The operator by pressing upon the button *f* of the lock-bar D, so as to set free the rear end of the plate *f′* from contact with the lug a^2, can then withdraw the parts *v v* of the plate A^2 from beneath the hook-lug *a′*, and thus withdraw the handle B from connection with the body portion A of the sad-iron.

I contemplate making the part A′ separate from the body portion A, and thus enable me to apply it to a sad-iron which has been in use having a common handle, first removing the common handle, and so convert the common sad-iron into one which is adapted to be used with my improved handle B. In such case screws, as at *m m′*, may be used to connect the raised portion A′ to the body portion A.

What I claim is—

The sad-iron comprising in combination the body portion A, having lugs a a' a^2, the handle portion B, comprising plate A^2, hand-bar b, upright portions g g, channel-way a^3, and openings f^2 and f^3, and the thumb-bar D, with spring x beneath the button f, between the upright portions g g of the handle B, substantially as and for the purpose described.

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