

UNITED STATES PATENT OFFICE.

GEORGE PLACE CLEMENTS, OF NEW MILFORD, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
CHARLES H. AINEY, OF NEW MILFORD, PENNSYLVANIA.

SAD-IRON.

932,248.

Specification of Letters Patent.

Patented Aug. 24, 1909.

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To all whom it may concern:

Be it known that I, GEORGE PLACE CLEMENTS, a citizen of the United States, and a resident of New Milford, in the county of Susquehanna and State of Pennsylvania, have invented a new and Improved Sad-Iron, of which the following is a full, clear, and exact description.

This invention relates to sad irons, and has for its object the production of a sad iron having an adjustable extension or plow, which is adapted for opening and pressing seams, ruffles, tucks, etc. When in its retracted position, said plow conforms to the outward contour of the sad iron. Being attached to a comparatively large body of iron, it retains its heat much longer than small sad irons, yet is capable of ironing small and complicated work even more thoroughly than small irons, besides avoiding the necessity of having several sizes of irons.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a central vertical section of a sad iron with my improvement applied thereto, the handle being in elevation; Fig. 2 is a vertical section taken on the line 2—2 in Fig. 1; and Fig. 3 is a plan view of the sad iron with the handle removed, showing the plow extended.

In said drawings, the body 1 of the sad iron, is provided with a central depression 2 extending into the forward end of the iron at 3, in order to lighten the same. Extending longitudinally along the bottom of the body 1 is a dovetailed groove 5, within which a similarly shaped plow 6 is slidably mounted. The lower surface 7 of the plow is in the same plane with the lower surface 8 of the body 1. The body of the iron is substantially oval with somewhat pointed ends, as is customary, and shown in Fig. 3. The ends of the plow 6 are formed with noses 10, which conform to the general contour of the end of the body 1. Extending upwardly from the plow 6 is a stud or post 12, passing through elongated slots 14 formed in the body 1, and provided at its upper end with threads 15 adapted to cooperate with a clamping nut 16. The front end of the body 1 is lowered at 18, a sufficient distance to allow the post 12 to extend

above the same without interfering with the handle 20, which may be of the usual construction and secured in position by means of a locking lever 21, having a head 21^a and a lug 20^a on the bottom plate of the handle and having a shoulder 20^b, the said head and lug cooperating with a cross bar 24, formed in a plate 26, which is secured to the body 1 by means of screws 27. A thin plate 30 is riveted to the under side of the plate 26 and forms a depression for receiving the head 21^a of the locking lever 21 and the lug 20^a. In order to hold the lever 21 in locked position and the lug 20^a in engagement with the cross bar 24, the lever is provided with an upwardly-extending projection 21^b having a recess 21^c in its upper end, adapted to receive the lower end of a spring 21^d attached at its upper end to the handle 20. The lever 21 is pivotally secured to the handle 20 by having its hooked shaped forward end engaging an opening in the base plate of said handle, as shown in Fig. 1.

The plow 6 may be made of various widths according to the work desired to be handled thereby. If it be desired to merely iron the sides of a seam without pressing the adjoining portion of the fabric, the rear end of the body of the iron may be raised and the plow alone allowed to traverse the seam.

The plow and body of the iron may be made of the same metal, in order that the expansion and contraction of both may be alike, thereby assuring proper movement of the plow within the groove.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A sad iron having a plow fitted to slide longitudinally therein and adapted to be projected beyond one end of the iron or retracted within the same, and means for securing the plow in either of the said positions.

2. A sad iron, comprising a body portion, a plow mounted to slide longitudinally in the body portion with its lower face flush with the lower face of the iron, said plow being adapted to be projected beyond one end of the iron or retracted within the same, and means for securing the plow in the desired position.

3. A sad iron, comprising a body portion having a dovetailed groove extending longitudinally along its bottom, a plow fitted to

slide longitudinally in said groove so as to be projected beyond one end of the iron or retracted within the same, said plow having its lower surface in line with the lower surface of said body portion and its nose conforming to the contour of the end of said body portion, and means for retaining said plow in adjusted position.

4. A sad iron, comprising a body portion provided with slots extending therethrough and having a dovetailed groove extending longitudinally along its bottom, a plow fitted to slide in said groove, a screw-threaded stud secured to said plow and passing through said slots, and a nut cooperating with said stud for clamping said plow in adjusted position.

5. A sad iron, comprising a body having its front portion reduced in thickness and provided with a longitudinal groove in its bottom and longitudinal slots above the groove, a detachable handle having its front portion projecting over the reduced portion of the body, a plow fitted to slide in the groove, a threaded stud secured to the plow and projecting through the said slots, and a nut on the stud.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE PLACE CLEMENTS.

Witnesses:

BERTHA ANDREWS,
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