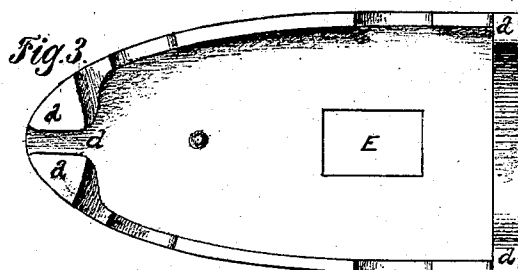
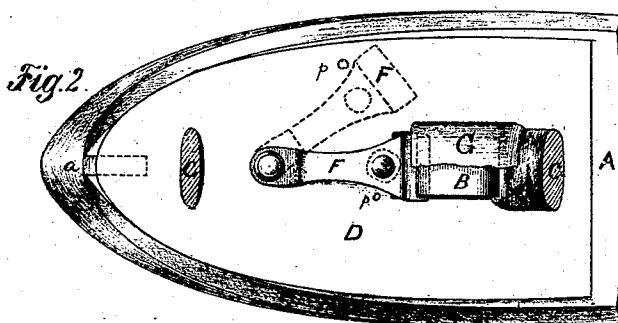
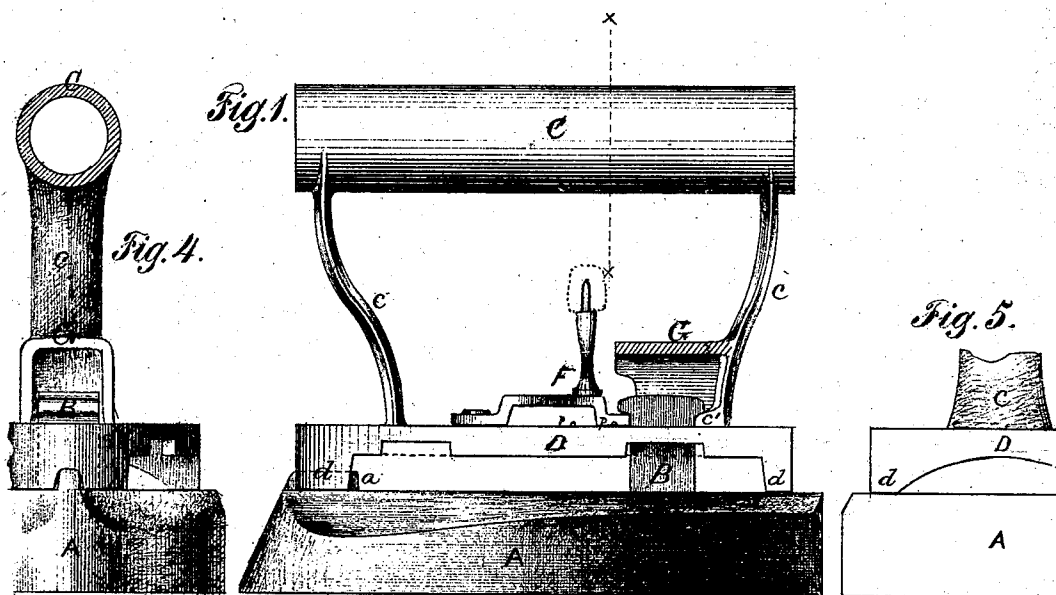


W. WEBSTER.

SAD IRON.

No. 106,524.

Patented Aug. 16, 1870.



Witnesses.
Fred. Artob
Wm. Ross

Inventor:
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United States Patent Office.

WILLIAM WEBSTER, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 106,524, dated August 16, 1870.

IMPROVED SAD-IRON.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, WILLIAM WEBSTER, of Washington City, in the county of Washington and District of Columbia, have invented a new and improved Sad-Iron; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawing and to the letters and figures marked therein.

My invention relates to flat or sad-irons, and consists in constructing the iron and its handle in two separate parts, in such manner that they can be readily taken apart while the iron is heating and put together when the same is hot, the object being to keep the handle cool, shield the hand from the heat of the iron, and to enable the same handle to be used on different irons.

In the accompanying drawing—

Figure 1 represents a side elevation of the iron with the handle attached and locked in position;

Figure 2 is a plan or top view of the same, with part of the handle removed;

Figure 3 is a view of the underside of the base of the handle or hand-shield;

Figure 4 is a front view of fig. 1, taken on the line *x x*; and

Figure 5 represents a section of a back view of fig. 1. Similar letters of reference indicate corresponding parts.

A is the flat-iron.

B is a T-shaped plug rising from the center of the rear of the same.

C is the handle, the upper part of which is constructed hollow, as shown in fig. 4.

c c are legs, connecting the handle C with its base D. This base is constructed so as to cover nearly the entire upper portion of the iron, and thereby shields the hand from the heat of the same. It is provided with feet, *d d d*, which are the only portions of it which come in contact with the iron. The sides of the base are cut away so as to form an air-chamber between it and the iron, and to admit of the passage of air between the same.

E is a square aperture in the base D, up through which the T-shaped plug passes when the handle is put on the iron.

F is a sliding catch, riveted to the base D.

G is a hood, covering the head of the plug B, to shield the hand from the same.

a is a tooth running along the top of the iron, designed to fill up the groove *d'* in the under side of the base D, and hold the same in its proper lateral position.

The operation of my invention is as follows:

The iron A being heated to the proper degree for

smoothing, the sliding catch F is moved to one side, as shown by the dotted lines in fig. 2. The base D is then placed over the iron, so that the plug B will pass up through its aperture E, and the tooth *a* occupy its slot *d'*.

The entire handle is then moved forward, so as to bring the hind shoulder of the plug B up over and against the foot *c'* of the leg *c*. The sliding catch F is then moved back into position, so that its foot *f* will come under the front shoulder of the plug B, and thereby lock the handle to the iron.

The distance between the handle C and the iron is such that the sliding catch F can be manipulated by the fingers, while the hand clasps the handle C.

The interior of the under side of the base D may be lined with felt, or some other non-conducting substance, if desired, as shown by the dotted lines *g* in fig. 1.

The handle C is made hollow, to admit of the free passage of air, to keep the same cool; if preferred, it may be filled with some non-conducting substance, or it can be filled with sponge, and then filled with water, or filled entirely with water, and corked, which can be renewed as often as it becomes warm.

Should the entire handle become too warm to use, it can be removed from the iron and dipped in water, and cooled instantaneously.

h is a cork, forming a non-conducting cap for the pillar of the catch F.

p p are stoppers cast on the upper portion of the base D, to prevent the catch F being slid out of position.

It will be noticed that irons constructed as herein shown will require no more dressing than the ordinary flat-iron, and that the ordinary iron can be altered to fit a handle made as herein shown, one of which will fit almost any sized iron now used.

Having thus fully described nature and operation of my invention,

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

The flat-iron A, when provided with the T-shaped plug B and tooth *a*, arranged as shown, and connecting with the tubular handle C by means of the base D, foot *c'*, and sliding catch F, in the manner and for the purpose herein set forth and described.

In testimony that I claim the foregoing sad-iron, I have hereunto set my hand this 16th day of May, 1870.

WM. WEBSTER.

Witnesses:

GEO. W. MCGILL,
JOHN W. MCGILL.