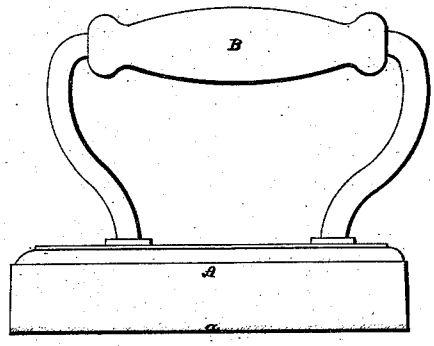
L. LINCOLN.

Sad Iron.

No. 104,748. Patented June 28, 1870.



Witnesses.

S. N. Piper

J. R. Snow

Luther Lincoln

by his attorney:

R. H. Eddy

N. PETERS, Photo-Lithographer, Washington D. C.

United States Patent Office.

LUTHER LINCOLN, OF NORTON, MASSACHUSETTS.

Letters Patent No. 104,748, *dated June* 28, 1870; *antedated June* 9, 1870.

IMPROVEMENT IN FLAT OR SAD-IRONS.

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

To all persons to whom these presents may come:

Be it known that I, LUTHER LINCOLN, of Norton, of the county of Bristol, of the State of Massachusetts, have made a new and useful invention of an improved manufacture of Flat-iron, Sad-iron, or Smoothing-iron, as usually termed; and do hereby declare the same to be described as follows, reference being had to the accompanying drawing, which is a side view of one of such flat-irons.

My invention is a flat-iron having its smoothing-face formed or made by casting the metal of which the body is composed, on a chill or plate of metal laid in or constituting part of the mold or matrix for the formation of such body, the said face afterward being completed by polishing it on an emery, or other proper wheel or device.

When so cast, the smoothing-surface, and the metal next adjacent thereto of the flat-iron, becomes very much harder than the rest of the metal; in fact, so hard that it cannot well be reduced by an ordinary file, and has to be polished on an emery wheel in order to complete it.

In the drawing—

A denotes the body, and

B the handle of the flat-iron, its hardened bottom being represented at *a* by the shade-lines of the figure.

A flat-iron so made will seldom wear or become scratched on its smoothing-surface, and may be subjected to ordinary temperature without destroying or materially affecting the degree of induration of its bottom.

I am aware that it is not new to harden a surface of cast-iron by casting the metal against a chill in a mold, railway-wheels having been so made, and therefore I make no claim to such, in the abstract.

Nor do I claim a flat-iron as ordinarily made, viz: without any hardening of its bottom by means as described.

I claim as a new or improved article of manufacture—

A flat or sad-iron, made with the bottom of its body cast against a chill-plate, and subsequently polished by means as set forth.

LUTHER LINCOLN.

Witnesses:

R. H. EDDY,

S. N. PIPER.