W. H. Towers,

Said Iron.

No. 112,514. Patented Mar. 7. 1871.

Fig. 1.

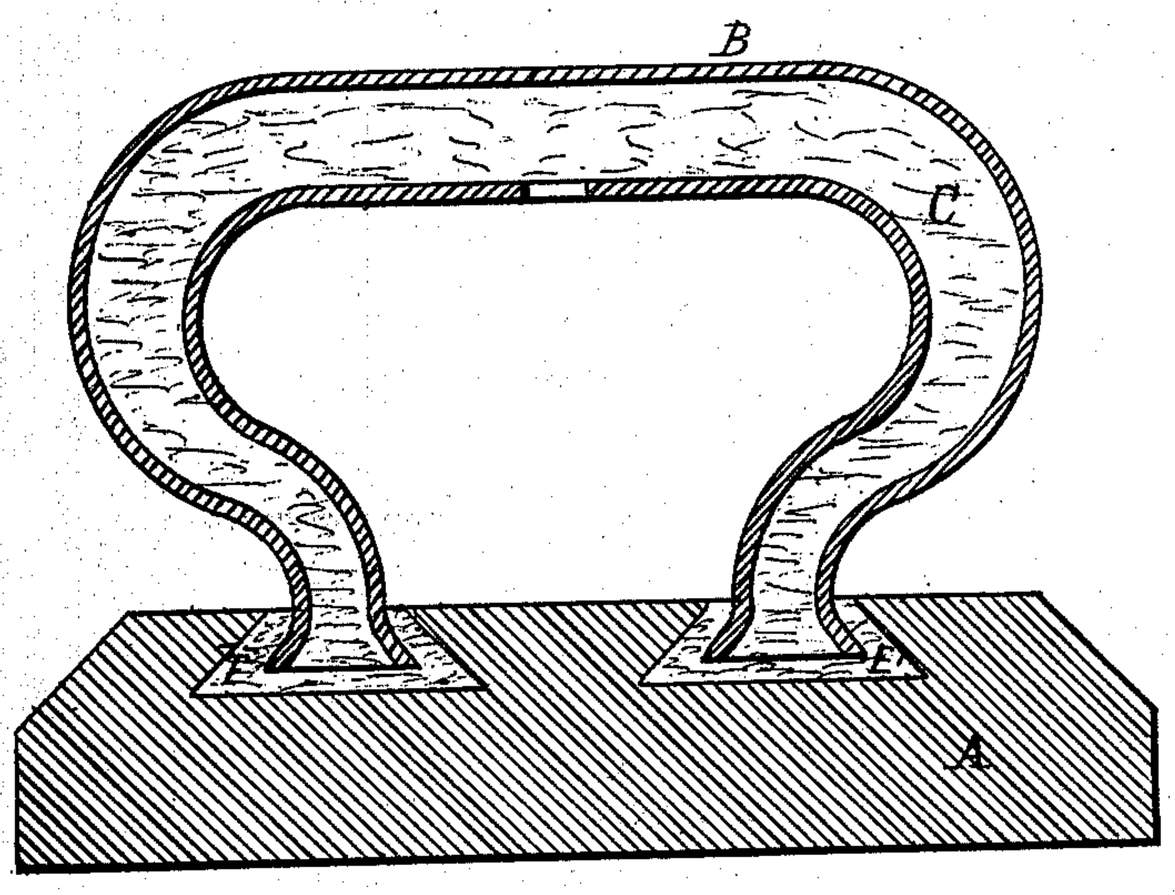
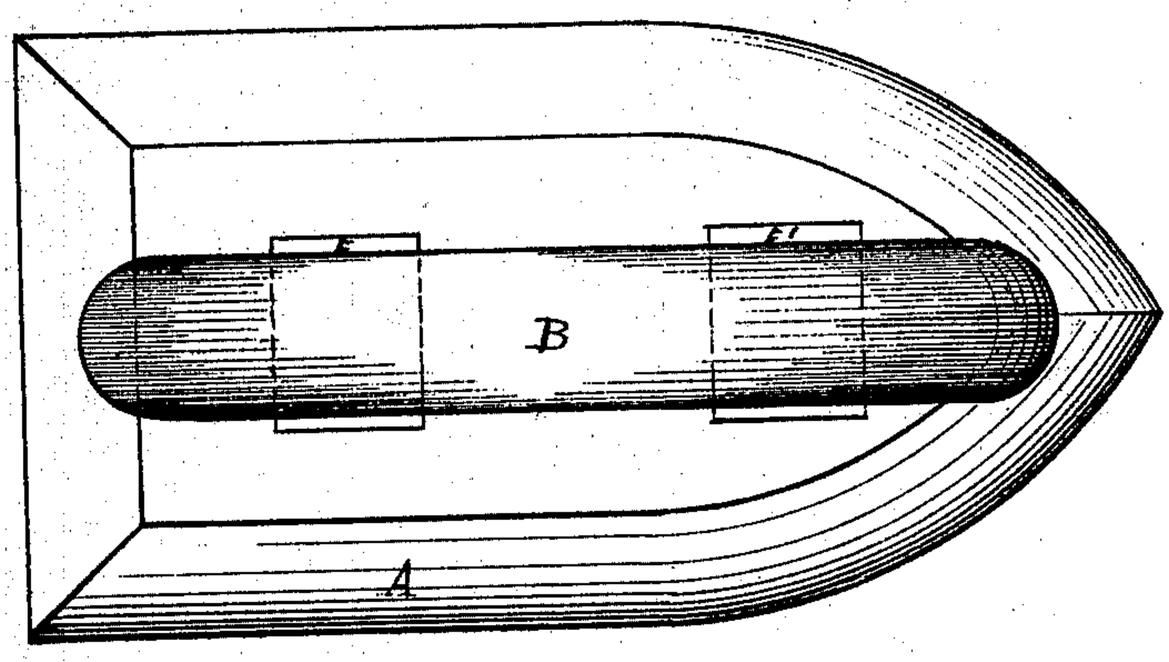


Fig. 2.



Witnesses:
Thomas Kilcommony.
Thos. S. Mercer.

Inventor:
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United States Patent Office.

WILLIAM H. TOWERS, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 112,514, dated March 7, 1871.

IMPROVEMENT IN NON-HEATING HANDLES FOR SAD-IRONS, &c.

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 H. TOWERS, of Boston, in the county of Suffolk and State of Massachusetts, have made a new and useful Improvement in Sad-Irons, whereby excessive heating of the handle is prevented; and I hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing which forms a part of this specification.

This invention consists in making the handle of the sad-iron hollow and filling the hollow with non-conducting material.

It also consists in fixing the handle in the body of the iron by means of a setting of non-conducting material, so that the metal of the handle does not come in contact with the metal of the body of the iron, but is always separated by a layer of non-conducting material.

The following description will enable others to make and use my invention.

In the drawing—

A represents the body of the flat-iron;

B, the handle; and

C, the non-conducting filling.

The body A has, at E and E', two pyramidal or conical sockets, and the ends of the handle are spread out to correspond with the shape of the sockets, and so that, when the sockets are filled, a perfectly-tight fitting will be formed between the body and the handle.

The material of the filling may be plaster of Paris, asbestos, paper-pulp, vegetable fiber mixed with lime, plaster cement, wood, charcoal, or any equivalent non-conducting material which the requisite heat of the iron will not destroy or injure.

The handle may be made as thin as is requisite to the strength of the handle. Both body and handle may be made of any suitable material, commonly iron, and had better be coated with zinc, nickel, or metal giving a smooth face, so as to destroy as much as possible the heating of the handle by radiation. This may be done as described in my patent of January 10, 1871.

My invention is applicable to any kind of sad-iron or tailor's goose; but I prefer the bright-coated iron, as described above.

My invention is one of considerable importance in a sanitary point of view. It is well known to medical men that serious injury results to persons holding in their hands for a long time a hot sad-iron handle.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The improved method herein described for preventing the heating of the handles of sad-irons, the same consisting in uniting the handle to the body of the iron by means of a non-conducting compound, so as to insulate the metal of the handle from the body of the iron, substantially as described.

2. The improved sad-iron herein described, composed of a body, A, handle B, and composition C, combined so as to operate substantially as described.

Witnesses: WM. H. TOWERS.

T. C. CONNOLLY,

THOS. S. MERCER.