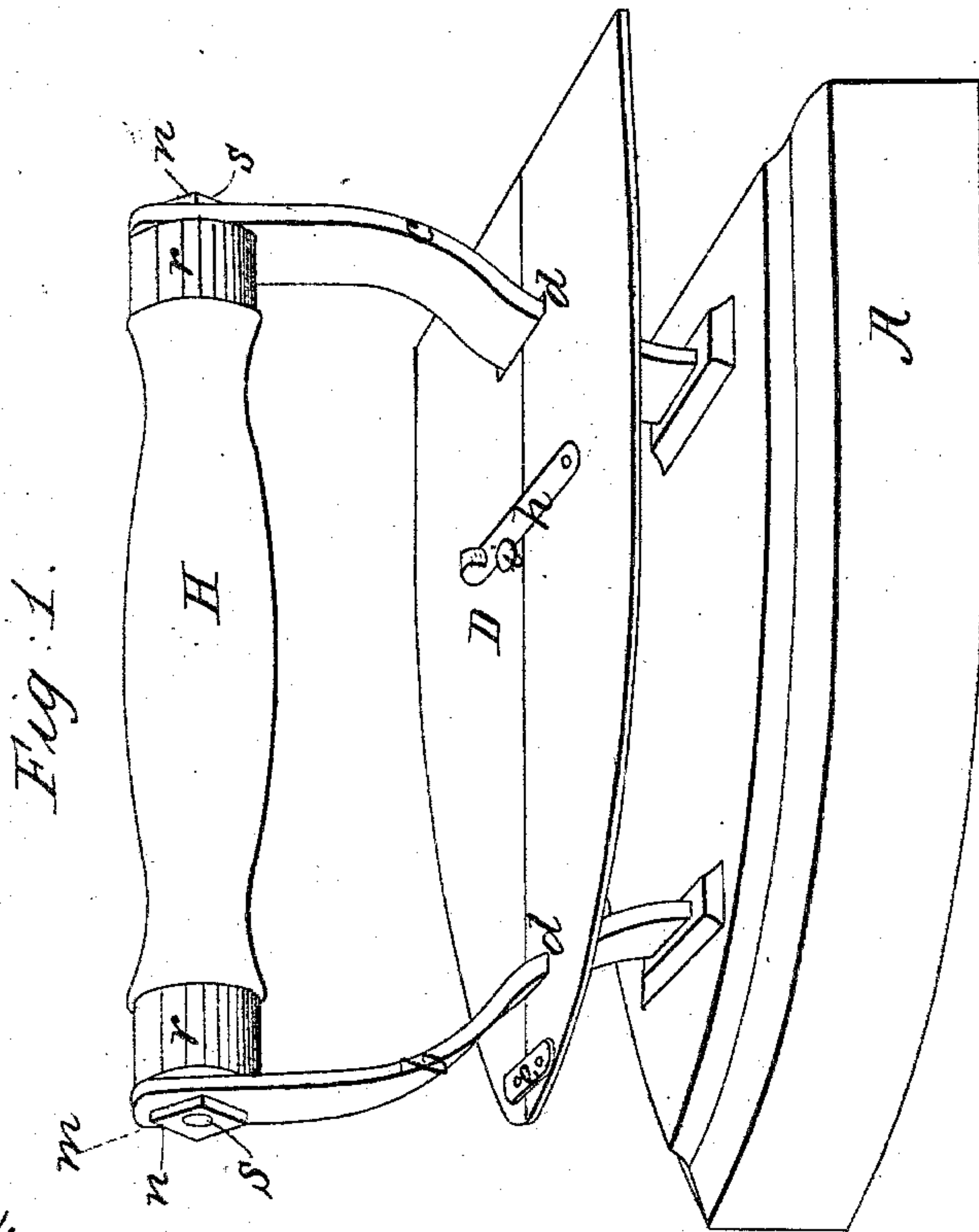
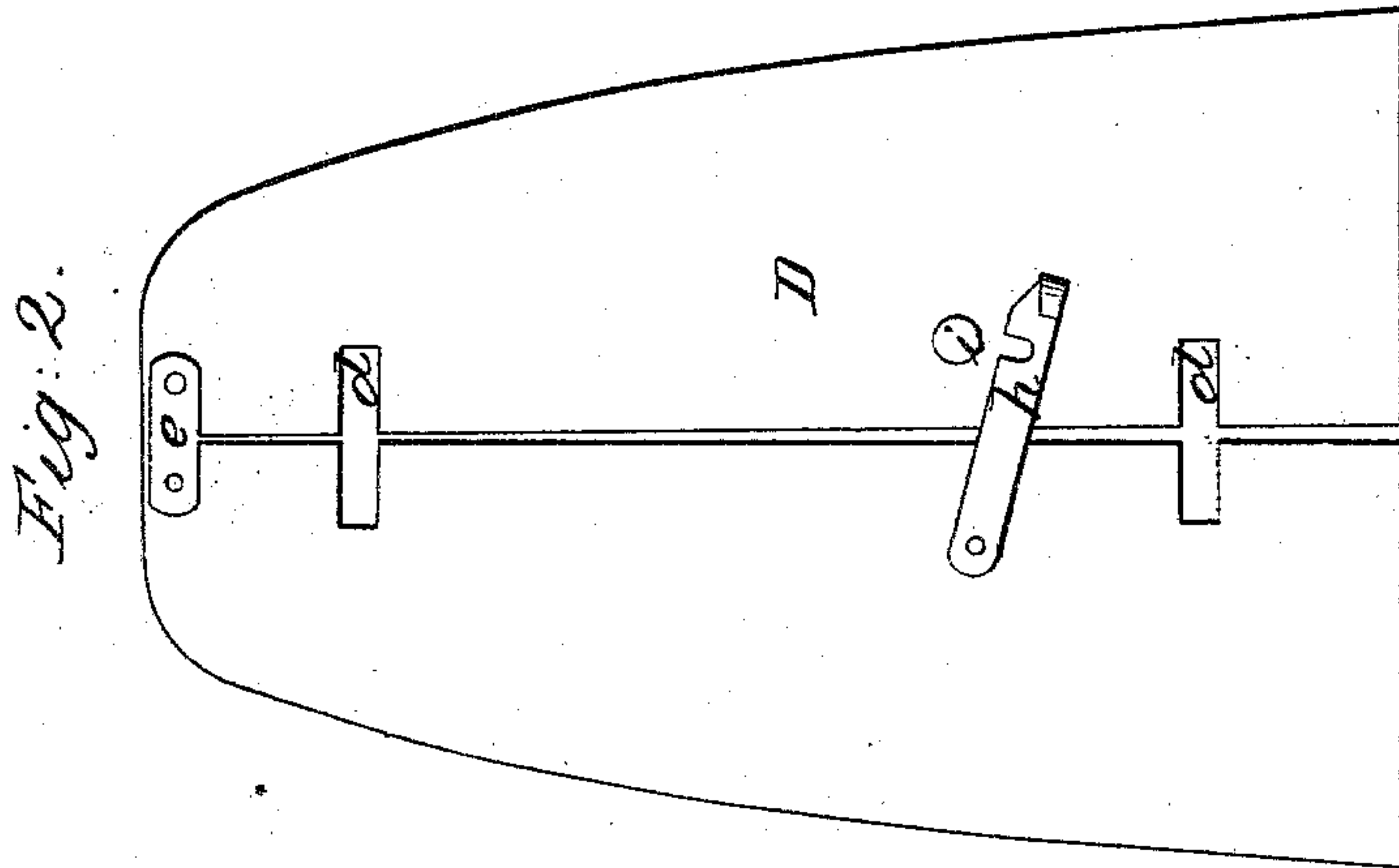


E. B. Robinson,

Sad Iron,

N^o 58,138,

Patented Sept. 18, 1866.



Witnesses;
William A. Clifford
Henry C. Houston.

Inventor;
Edmund B. Robinson

UNITED STATES PATENT OFFICE.

E. B. ROBINSON, OF PORTLAND, MAINE.

IMPROVEMENT IN FLAT-IRONS.

Specification forming part of Letters Patent No. 58,138, dated September 18, 1866.

To all whom it may concern:

Be it known that I, E. B. ROBINSON, of Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Flat-Irons; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being made to the accompanying drawings, forming part of this specification, in which—

Figure 1 shows a side view in perspective of a flat-iron with my improvements attached thereto. Fig. 2 is a top plan of the reflector and guard.

The object of my invention is, first, to produce a flat-iron which can be more easily and quickly heated and longer preserved in a heated condition than those of ordinary construction; second, the production of a handle which, by being made of a non-conducting substance, will remain cool when the body of the iron is heated.

A shows an ordinary flat-iron having the two parts of the handle *b c* as common. D shows a guard and reflector, composed of two parts, as illustrated in the drawings, which parts open horizontally or laterally, swinging upon the hinge *e*. These two parts are slotted, as shown at *d d*, to fit over the portions of the handle *b c*. When placed on these portions, as illustrated in Fig. 1, the two parts of the guard and reflector are united by the knob and catch *i h*. The two portions *b c* of the handle approach nearer each other near the body of the flat-iron than at their upper ends. The guard and reflector D is, by this formation of the portions *b* and *c*, held a slight distance above the body of the iron.

By slipping back the catch *h*, as shown in Fig. 2, and opening laterally the two portions, the reflector and guard D can be removed from the handle of the flat-iron, and, by reversing this operation, can be again attached thereto.

The guard and reflector D serves a triple purpose. It enables the iron to be more quickly heated, and to retain the heat for a longer

time by reflection and confining of heated air upon the same, and, by intercepting the heat, prevents it from reaching the hand of the user or communicating itself to that part of the handle which is grasped by the hand.

H shows that portion of the handle to which the hand is applied, and is made of glass or porcelain. This is attached to the portions *b* and *c* in the following manner: Around the ends are fitted the caps or rings *r*. From these project the screws *s*, having the nuts *n*. Near the tops of the portions *b* and *c* are made holes to receive the screws *s*. Thus, by means of the nuts *n*, this portion of the handle can be firmly secured.

In the portion *b* is made a slot, *m*, leading to the hole in which the screw *s* is inserted. This is intended for convenience of removal of the part H of the handle. By loosening the nuts *n* the part H can be withdrawn and replaced with ease. Thus, by the combination of the guard D and part H of the handle, the hand of the user is effectually protected from the heat which is imparted to the body of the iron.

I am aware of Letters Patent numbered 31,095, 31,295, 37,118, and 54,570; but these inventions differ from mine in several particulars: first, in not employing a non-conducting glass or porcelain handle secured as described, and, second, in the construction and method of attaching the guard and reflector.

It will be seen that my improvements can be attached to a flat-iron of the common construction.

Disclaiming all guards or handles to flat-irons not constructed as herein particularly described,

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

The combination and described arrangement on a flat-iron of the glass or porcelain handle H and the hinged guard and reflector D, as and for the purposes herein set forth.

E. B. ROBINSON.

Witnesses:

WILLIAM H. CLIFFORD,
HENRY C. HOUSTON.