

A. E. HOLLINGSHEAD.
 PORTABLE SMOOTHING IRON.
 APPLICATION FILED DEC. 5, 1910.

1,004,571.

Patented Oct. 3, 1911.

Fig. 1.

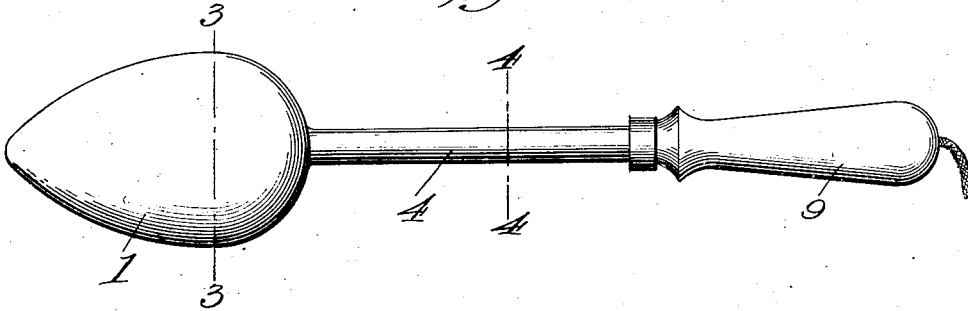


Fig. 2.

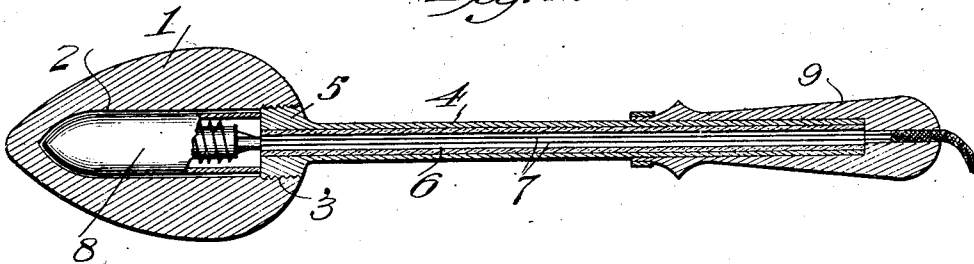


Fig. 3.

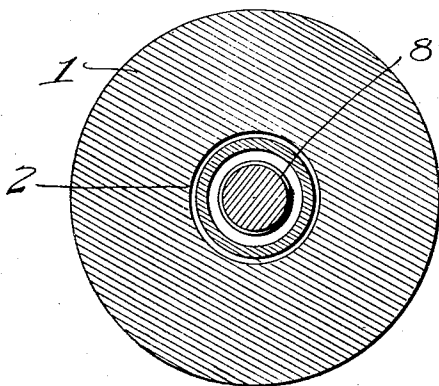
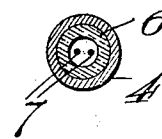


Fig. 4.



WITNESSES

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PORTABLE SMOOTHING-IRON.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALICE EMMA HOLLINGSHEAD, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Portable Smoothing-Irons, of which the following is a specification.

Figure 1 is a side elevation of an iron embodying my invention; Fig. 2 is an axial section of the same; Fig. 3 is a section on the line 3—3, Fig. 1, and Fig. 4 is a sectional view on the line 4—4, Fig. 1.

The object of my invention is to provide a smoothing iron which may be readily carried in a valise, trunk, etc., for use in traveling, of such construction that it may be readily heated by gas, electricity, or other medium applied within the iron and therefore in a manner to insure uniform heating of all its walls and adapt its entire surface for use; and of a form which provides an axially disposed handle, by which it may be freely manipulated, and a head symmetrically formed about the axis of the handle, and of such shape as to be circular in transverse sections and oval in axial sections, so that the device may be used not merely by sliding a limited portion of its surface over the goods to be smoothed, but all parts of its surface are adapted for such use and the device is moreover adapted to develop the smoothing effect by rotation upon its axis while the goods are stretched around it or while it is being pressed into some corner or confined portion of the goods, where lateral sweeping movement is impracticable. The head is preferably in the shape of an egg or solid oval for the further purpose of affording smoothing surfaces, curved upon a large number of different radii, as well as affording a reduced point, which may be moved relatively to the surface to be smoothed, either by sweeping movement or rotary motion.

1 represents a smoothing iron constructed of metal and preferably of egg-shape. The iron is cored to form a chamber 2 which extends substantially the entire length of the iron, the open end of the chamber being provided with interior screw threads 3. The iron 1, as will be seen from the drawing, comprises a heat conducting body having a circumferentially continuous smoothing surface.

4 is a tubular handle constructed prefer-

ably of metal and terminating at one end in an enlargement 5 constituting a plug, which plug is provided with screw threads adapted to intermesh with the screw threads 3 of the iron, as clearly shown in Fig. 2. This handle, as will be seen, extends from and in line with the axis of said iron body.

6 is a porcelain tube mounted within the tube 4 and extending throughout the length thereof, said tube 6 acting as a non-conductor for the electrical circuit wires or conductors 7 which extend through said tube and are connected to the electric heating coil 8 positioned in the chamber 2 of the iron 1.

9 is a wooden or other suitable insulating hand-piece secured upon the handle 4, said handle being of material which is a non-conductor of electricity as well as heat.

While for purposes of illustration I have shown the heating medium for the iron as consisting of an electric heating coil, it will of course be understood that the iron may be heated from any other suitable source of heat. The iron may also be inserted in an electrically heated socket such as is commonly used and found in all the leading hotels, providing the socket is fashioned to receive a body of the shape shown in this case.

While my improved iron is especially adapted for use by travelers, it is equally as convenient around the home.

It is well known that clothing of all kinds becomes more or less creased due to packing in trunks, etc., and that frequently it is inconvenient to send the clothing out for pressing. In the use of my improvements in irons, the iron may be heated in any suitable way to the usual degree of heat necessary for ironing. The garment may be hung upon a coat hanger or other suitable suspending device and the clothing pressed by taking the portable iron in one hand and holding with a slight tension the goods with the other hand and then passing the oval iron over the creased or wrinkled portions, thus smoothing the goods without the use of a table or other permanent surface. Of course, it will be understood that the iron may be used upon goods supported by a table or other permanent surface. In using the iron, it is rotated on its axis while in contact with the surface of the goods to be ironed, thereby presenting a continuous smooth unbroken surface for contact with

the material to be ironed, thus eliminating the liability of leaving "iron marks" upon the goods.

I claim:

- 5 A manually controlled smoothing iron, comprising a handle free for manipulation, a head of metal disposed in axial relation to the handle and having a form which is oval in every axial section and circular in every
10 transverse section; whereby said head is adapted to be rotated in contact with the

goods to be smoothed, and means provided within said head for internally heating said head.

The foregoing specification signed at St. Paul, State of Minnesota this 16th day of November, 1910.

ALICE EMMA HOLLINGSHEAD.

In presence of —

MILDRED PETERSON,
H. A. HAGLEMAN.