Richard J. P. Goodwin's Improved Box-Flat-Iron

75150

PATENTED
MAR 3 1868

Fig 2.

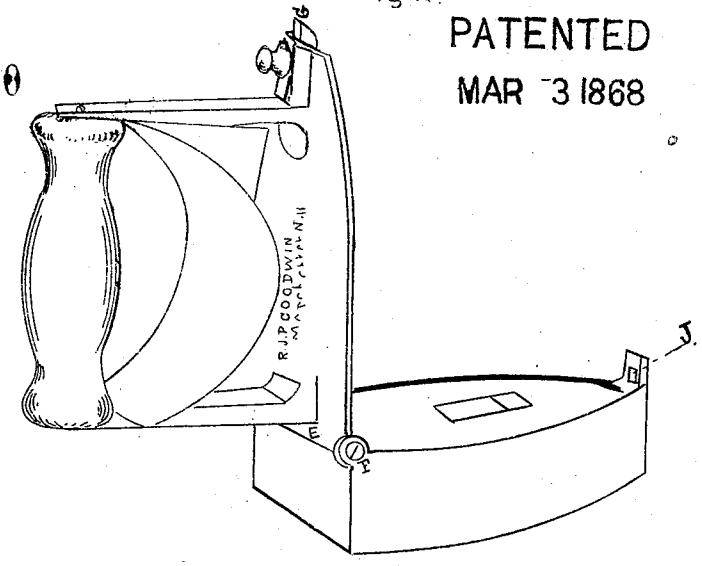
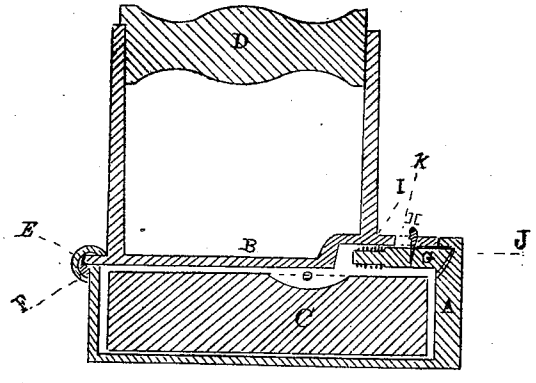


Fig 1



Witnesses
David Cross
John H. Andrews

Inventor
Richard J. P. Goodwin M. D.
Manchester N. H.

United States Patent Office.

RICHARD J. P. GOODWIN, M. D., OF MANCHESTER, NEW HAMPSHIRE.

Letters Patent No. 75,150, *dated March* 3, 1868.

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, RICHARD J. P. GOODWIN, M. D., of Manchester, in the county of Hillsborough, and State of New Hampshire, have invented a new and useful Improvement in Box Flat-Irons; and I do hereby declare that the following is a clear and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a plan or sectional view of the iron.

Figure 2 represents a side and partial end elevation of the iron when open.

Similar letters of reference indicate like parts.

This invention relates to a box flat-iron with its cover adjusted in such a manner that it becomes unnecessary to entirely detach it from the box for the purpose of removing its heater.

The invention consists, first, in the projection of the cover over the back of the box one-eighth of an inch or upwards, forming at its corners one-half of a hinge-joint; to the other half of the hinge formed at the upper corner of the back of the box, it is united by a screw, thus allowing the back edge of the cover to set firmly against the back of the box when open at right angles, and thereby permitting the handling of the box for the removal of its heater when hot, or the carrying to and fro of the same without risk of burning the hands; second, in the arrangement of a spiral-spring bolt moving backwards and forwards under the front of the cover, arched to receive it, and entering the striker constructed in the front of the box, forming thereby a convenient and ready fastening of the cover to the box; third, to the prolongation upwards of the forward end of the box to a height corresponding to that of the cover, thus forming a striker to receive the forward end of the bolt when the cover is closed.

A represents a box flat-iron; B represents a cover combined to the same; C represents the removable heater; D represents the wooden handle. E represents the projecting back edge of the cover, which, when opened at a right angle with the box, by impinging on the back of the same, prevents further backward motion of the cover. F represents the elongation of the corners of the box, forming one-half of a three-fourths circular hinge-joint, operating in connection with like hinges on the back corners of the cover. G represents a bolt, placed under the forward end of the cover, operated by means of a knob, H, whose shank passes down through the bolt, and riveted to the same on its under surface. I represents a spiral spring, encircling the shank of the bolt G, and pressing forwards the head of the bolt as far as the shank of the knob H, moving in a slit, K, of the cover. J represents the striker, formed in the point of the box to receive the head of the bolt G. K represents the slit in the cover to allow the movements backward and forward of the knob-shank operating the bolt G.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The combination of the hinge-joints E F and cover B with the spring-bolt G operating in connection with the striker J, substantially as and for the purpose set forth.

The above specification of my invention signed by me, the 26th day of October, 1867.

RICHARD J. P. GOODWIN, M. D.

Witnesses:

DAVID CROSS,

WILLIAM R. PATTEN.