

UNITED STATES PATENT OFFICE.

GEORGE H. WADE, OF ATLANTA, GEORGIA.

IRONING-MACHINE.

950,971.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed November 18, 1908. Serial No. 463,286.

To all whom it may concern:

Be it known that I, GEORGE H. WADE, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Ironing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an ironing machine, and while designed for use as an electrically heated device, such as shown in co-pending application Serial Number 451,319½, is not limited to such electrically heated apparatus.

The object of the present invention is to provide in a collar edge turner a circular former with an ironing device associated and coöperative therewith having a groove corresponding in curvature to and adapted for association with the upper edge of the circular former and with one of the ribs forming the side of such groove adjustable to vary the width of the groove.

A further object of the invention is to provide a device operative in association with the upper edge of the former and rotatable thereabout and with means for varying the radial position of the ironing member relative to its center.

With these and other objects in view, the invention comprises certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a view in vertical, diametrical section of the improved device, some parts being shown in elevation. Fig. 2 is an inverted plan view of the ironing member as seen on arrow 2 of Fig. 1.

Like characters of reference designate corresponding parts throughout the several views.

The present invention, like co-pending application No. 451,319½, comprises a circular former 10 supported upon any approved form of base 11 and having a member 12 upstanding centrally of such former and pivoted therein upon a stud as 13.

At its upper end the upright member 12 is provided with a pivot pin 14 journaled in the said member 12, and surrounding the said pin 14 is an eccentric sleeve 15 rotatable upon such pin 14 and also rotatable within

an arm 16. The eccentric 15 is held in rigid association with the arm 16 in any approved manner as by the set screw 17 so that the arm and the eccentric both move together upon the pivot pin 14 or together with such pin 14 in the bearings of the upright 12.

The arm 16 carries a heating member 18 heated in any approved manner, preferably, though not necessarily, by means of an electrical heating unit. Upon the under side of the heater 18 a rib 19 is formed integral or rigid therewith, and a second rib 20 is also mounted upon the under side of such heater 18 but movable relative thereto by means of slots 21 engaged by screws or other fastening members 22, so that such rib 20 is movable toward and away from the rib 19. Between the ribs 19 and 20 a groove 23 is formed, adapted to operate in conjunction with the upper edge of the former 10 to iron the fold or edge of a collar resting upon said former 10. Extending from the heater 18 is an arm 24 carrying a handle 25 by means of which the ironing member is operated about its pivot 13.

The upstanding member 12 carries an offset arm 26 integral or rigid therewith and an arm 27 is formed as an extension of the arm 16 and adapted to bear in normal position upon the arm 26. A spring 28 is provided to bear upon the arm 27 in any approved manner, here shown as embracing a bolt 29, and bearing at its upper end against a collar or washer 30, and at its lower end against the arm 27. It will be noted that the tendency of the spring 28 is to depress the arm 27 and consequently to raise the arm 16 and the heating member 18 out of engagement with the former 10.

In operation a collar will be placed upon the upper edge of the former 10 and the heating element depressed by manipulating the handle 25 whereby the groove 23 is brought down to embrace the upper edge of such former. Under certain conditions the width of the groove 23 should be varied and for such purpose the rib 20 is made movable so that it can be moved away from or toward the rib 19. The movement of the rib 20 would move such rib toward and away from only the inner side of the former 10 and would not change the relation of the rib 19 to such former. To provide for the change of position of the rib 19 to the former the eccentric 15 is employed which may be rotated as found necessary to move

the rib 19 toward or away from the former 10, so that both ribs 19 and 20 may be varied in their relation to the upper edge of such former.

5 What I claim is:—

1. In an ironing machine, a circular former, a lever pivoted concentrically of the former, a heating element carried by the lever and provided upon its under side 10 with a curved rib, an adjustable member upon the heater member, provided with a curved rib spaced from the curved rib of the heating member to produce a curved groove, the adjustment being such as to 15 vary the width of the groove and means to rigidly secure the adjustable rib member at a predetermined adjustment.

2. In an ironing machine, a former produced upon the arc of a circle, a lever jour- 20 naled concentrically with the former, a

heating element carried by the lever, a curved rib formed upon the under side of the heater and adapted to be positioned to correspond approximately with the outer edge of the former, a member secured to the heater and provided with a rib spaced from the rib of the heater and positioned to operate at the inner side of the former, slots formed in the last-mentioned member 25 disposed parallel with the lever and permitting the adjustment of said member to vary the interval between the ribs, and means to maintain said member rigidly in a secured adjustment. 30

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. WADE.

Witnesses:

J. T. HELLEMAN,
G. W. WHALEY.

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