

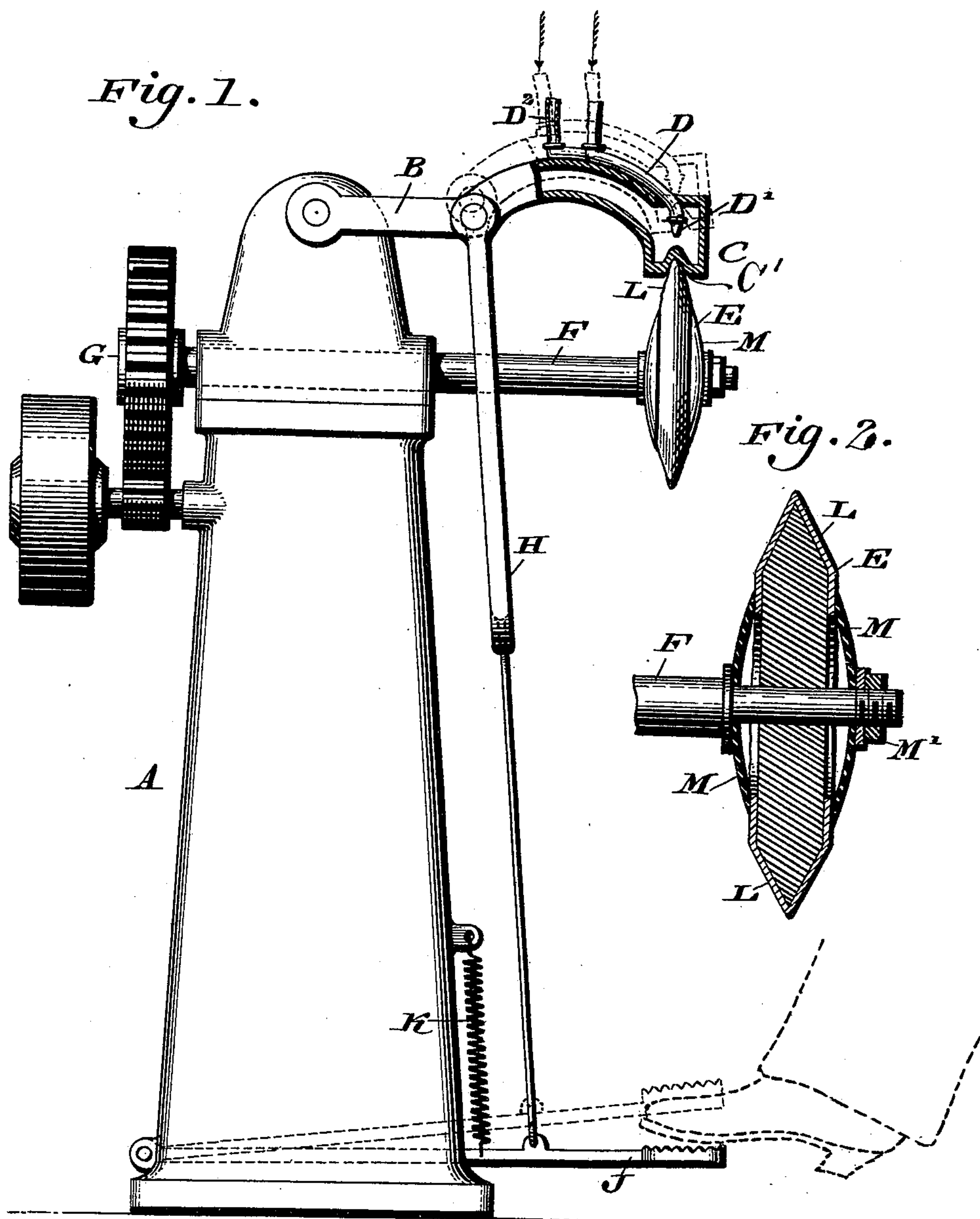
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G. H. & R. C. HOLLIS.
MACHINE FOR IRONING COLLARS.

(Application filed Aug. 3, 1895.)

(No Model.)



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MACHINE FOR IRONING COLLARS.

SPECIFICATION forming part of Letters Patent No. 619,959, dated February 21, 1899.

Application filed August 3, 1895. Serial No. 558,082. (No model.)

To all whom it may concern:

Be it known that we, GEORGE H. HOLLIS and ROBERT C. HOLLIS, citizens of the United States of America, residing in Wilmington, in the county of New Castle, in the State of Delaware, have invented a new and useful Improvement in Machines for Ironing Collars, which improvement is fully described and set forth in the following specification and the accompanying drawings.

Our invention relates to the construction of a machine especially intended and adapted for ironing collars, but which of course can be used for any similar purpose.

The special function of our machine is to accomplish the folding and surfacing of the bend or crease made in a collar which is either turned down as a whole or partially turned down, as at the ends.

Heretofore machines for ironing the creases of collars have, as far as we know, been constructed on the principle of providing a bed in the nature of a mold or shaping-piece upon which the collar is placed and over which the iron was then passed or which, in the alternative, was then passed under the iron for the purpose of forming and smoothing the crease. In all machines of this kind there is not only considerable delay involved in adjusting the collar onto the form and surface, but great liability of misplacing the folds and considerable risk of injuring the collar, difficulties which it is the object of our invention to overcome.

The leading feature of our newly-invented device consists in the provision of a bed or support for the collar having an edge V-shaped in section and longitudinally of a form convexly curved to such a degree as to recede from contact with the collar on each side of the point of contact and in the use, in connection with this bed, of an iron having its face formed with an inverted V to coact with the edge of the bed and adapted to contact with the bed or with the collar upon the bed at one point only. In connection with these coacting devices we provide means for feeding a collar between them, preferably by simply rotating the bed, and in operation the collar is guided

to and through the coacting ironing devices by the hand of the operative.

Reference being now had to the drawings, which illustrate our machine in what we consider its best form, Figure 1 is an elevation, partly in section, of our improved machine; and Fig. 2 is a cross-section through the ironing-bed, shown on an enlarged scale.

A indicates the standard of the machine, to the upper end of which is pivotally attached the beam or lever B, having secured to its free end the iron C, the operative face of which is given, as shown, an inverted-V form, (indicated at C',) said inverted V being adapted to contact with the bed or with the collar upon the bed at one point only. As shown and as preferably constructed, the operative V-face of the iron is of straight longitudinal section.

The iron C is preferably made hollow, as shown, and provided with a gas-pipe D, having a burner D' in the hollow of the iron, D² indicating an air-supply pipe for maintaining combustion in the iron.

E indicates the bed of the machine, having, as shown, a circular form, and this circular bed is mounted on a shaft F, having bearings in the standard A, the shaft and rotary bed being turned by the gearing G, to which power can be applied in any convenient manner. The section of the edge of the ironing-bed is V-shaped to correspond with the inverted V of the iron, but of somewhat sharper angle. In practice we cover the edge of the V with some suitable fabric, (indicated at L,) which is held in place most conveniently by the circular spring-clamps M M, the tension of which is adjusted by means of the nut M'.

H indicates a rod connected at its upper end with the pivoted lever B and at its lower end with the treadle J, which treadle, together with the lever B, connected with it, is normally held in its uppermost position by the action of a spring, as K.

In operation the collar or other article to be creased and ironed is placed on the edge of the bed and the operator then pressing his foot on the treadle J brings the iron down upon the article to be ironed, and the arti-

cle being drawn forward by the rotation of the bed the operator simply guides it and at the same time regulates the pressure of the iron upon it by the pressure of his foot on the treadle.

Having now described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In an ironing-machine for collars, the combination of a bed to support the collar having an edge **V**-shaped in section and convexly curved so as to recede from a collar placed upon it, with an iron having in section an inverted-**V**-shaped edge or face and adapted to contact with the bed at only one point, and means for drawing a collar through between the bed and iron.

2. In an ironing-machine for collars, the combination of a bed to support the collar having an edge **V**-shaped in section and convexly curved so as to recede from a collar placed upon it, with an iron having in section an in-

verted-**V**-shaped edge or face and adapted to contact with the bed at only one point and means for rotating the bed to draw the collar through between it and the iron.

3. An ironing-machine consisting of the standard A, the arm B mounted thereon, the shaft journaled therein, the hollow iron C connected with said arm, the circular bed E secured to said shaft, means for raising and lowering said arm and heating said iron, and means for rotating said shaft said iron having in its under face an inverted-**V**-shaped recess, and said bed having a beveled periphery in combination with a covering for said periphery, plates on the shaft of the bed overlapping the side portions of said covering, and means for holding said plates in position.

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