(No Model.)

# J. D. HILL.

## IRONING MACHINE.

No. 345,785. Patented July 20, 1886.

Fig. 1.

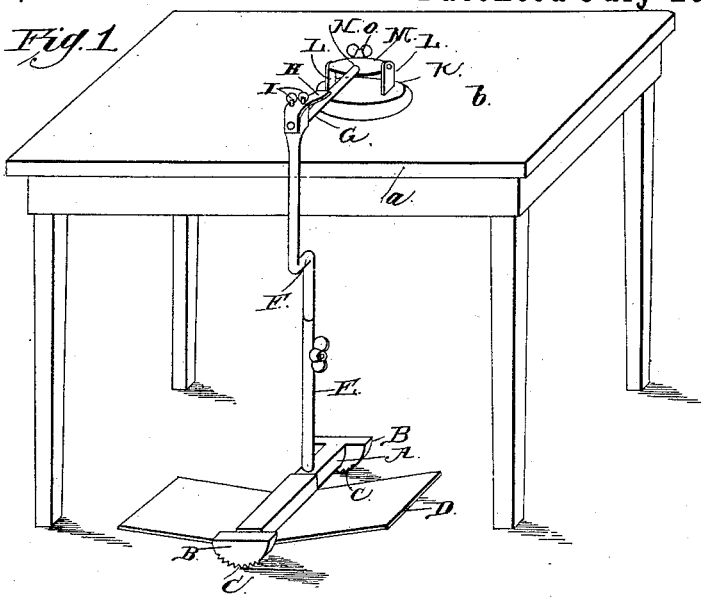
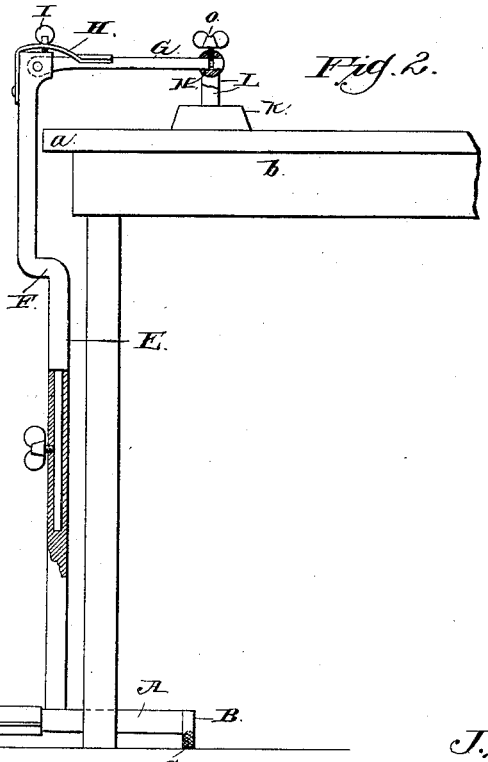



Fig. 2.

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# UNITED STATES PATENT OFFICE.

JAMES D. HILL, OF LAMAR, MISSOURI.

## IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 345,785, dated July 20, 1886.

Application filed February 25, 1886. Serial No. 193,193. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. HILL, a citizen of the United States, residing at Lamar, in the county of Barton and State of Missouri, have invented a new and useful Improvement in Ironing-Machines, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in ironing-machines; and it consists in the peculiar construction and combination of parts that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of an ironing-machine embodying my invention, arranged in position for operation. Fig. 2 is a side elevation of the same, partly in section.

The object of my invention is to provide a machine adapted to iron clothes without the necessity of the operator having to take hold of the iron, thereby leaving his hands free to manipulate the garments and smooth them out in advance of the movements of the iron, to prevent wrinkles or creases from being ironed therein; and the object of my invention is, further, to provide an ironing-machine which is easily operated and without fatigue.

A represents a rock-shaft, which is provided at its ends with semicircular rockers B, which rockers have their peripheries corrugated, as at C, in order to prevent them from moving about on the floor while the machine is being operated.

To the shaft A is attached a balanced platform or treadle, D, which is arranged at right angles to the said shaft and extends from opposite sides thereof.

E represents a vertical rod or arm, which is attached to the shaft A, near one end thereof, and is provided at its upper end with a curve or offset, F, which extends outwardly from the rod or arm, so as to arrange the upper end of the said rod or arm out of line with the lower portion thereof, in order to enable the upper end of the rod or arm to clear the projecting side *a* of the top of an ordinary ironing-table, *b*, in connection with which my ironing-machine is adapted to operate. The said rod or arm E is preferably made extensible or telescopic, and is provided with a set-screw for securing it at any desired adjustment.

To the upper end of the rod E is pivoted an arm, G, which is adapted to extend inwardly over the top of the table. A flat spring, H, is secured to the upper end of the arm E, and is bent over the said upper end thereof, having its free end bearing on the arm G. Set-screws I pass through this spring and enter the upper end of the rod E, in order to regulate the tension of the spring on the arm.

K represents a sad-iron, which is provided near its ends with the vertical standards L, in the upper ends of which is journaled a handle, M. A transverse opening, N, is made through the center of this handle, through which the outer end of the arm G passes, by means of which the sad-iron is pivoted on the said arm, and may be moved in or out thereupon. The set-screw O passes through the handle of the arm, and bears against the arm G, to secure the iron on the said arm. By this construction it will be readily understood that the said iron has a universal movement on the arm G, whereby it will always maintain its horizontal position on the top of the ironing-table. The operator stands with one foot on each extension of the balanced platform or treadle, and by swaying his body so as to throw his weight first on one side of the balanced platform or treadle and then on the other, causes the arm E to rock back and forth, and thereby moves the iron back and forth upon the table.

Having thus described my invention, I claim—

1. The combination of the shaft A, having the rockers and the balanced platform or treadle, the rocking extensible arm or rod E, attached to the shaft A, and having the pivoted arm G, and the sad-iron attached to the said arm, substantially as described.

2. The combination of the rocking arm E, the arm G, pivoted thereto, and the spring H, secured to the arm E and bearing on the arm G, and the sad-iron attached to the said arm, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES D. HILL.

Witnesses:
P. L. WOLFE,
R. H. SCOFIELD.