

(No Model.)

H. L. RICHARDSON.

IRONING MACHINE.

No. 339,213.

Patented Apr. 6, 1886.

Fig. 1.

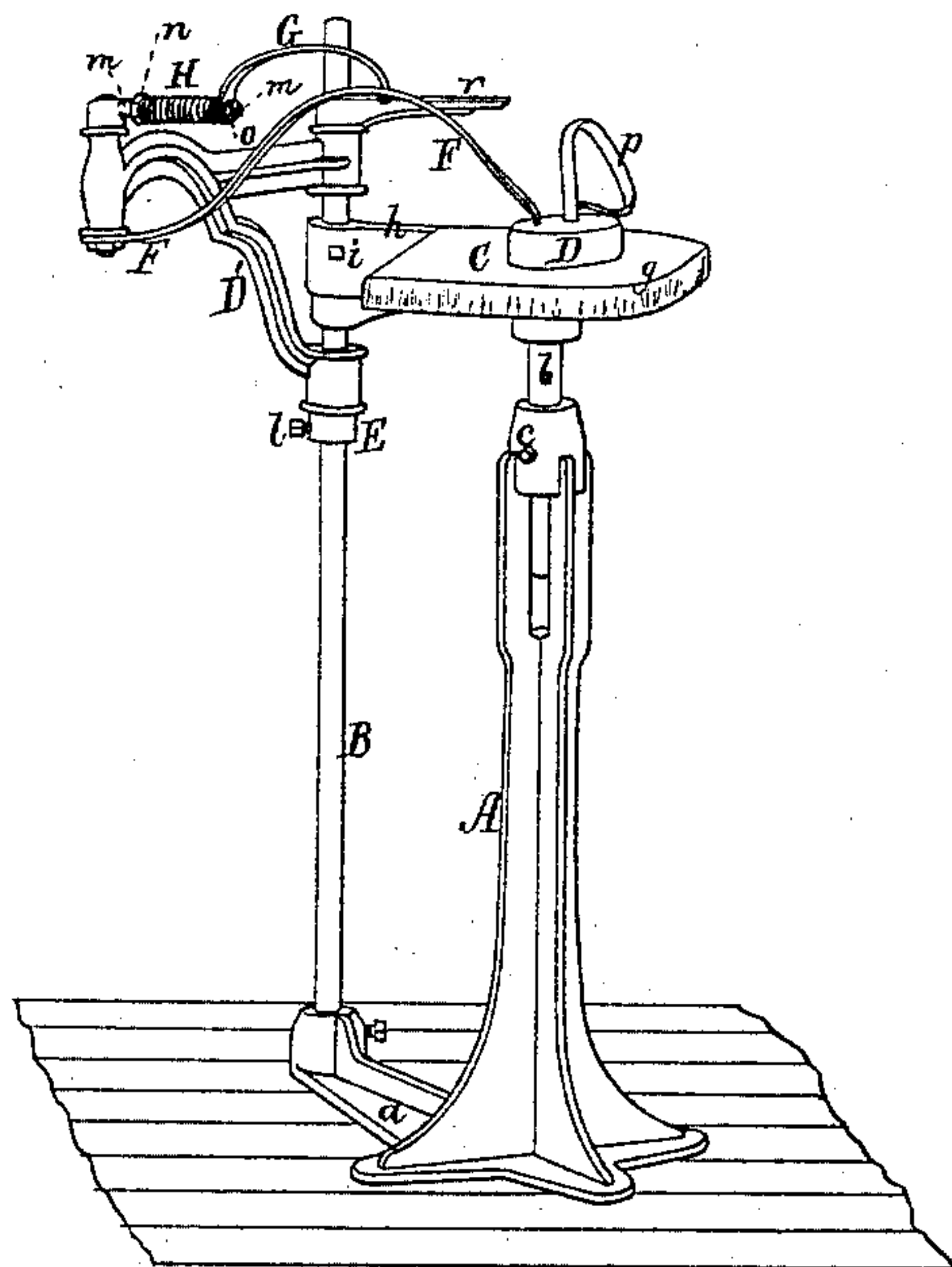


Fig. 2.

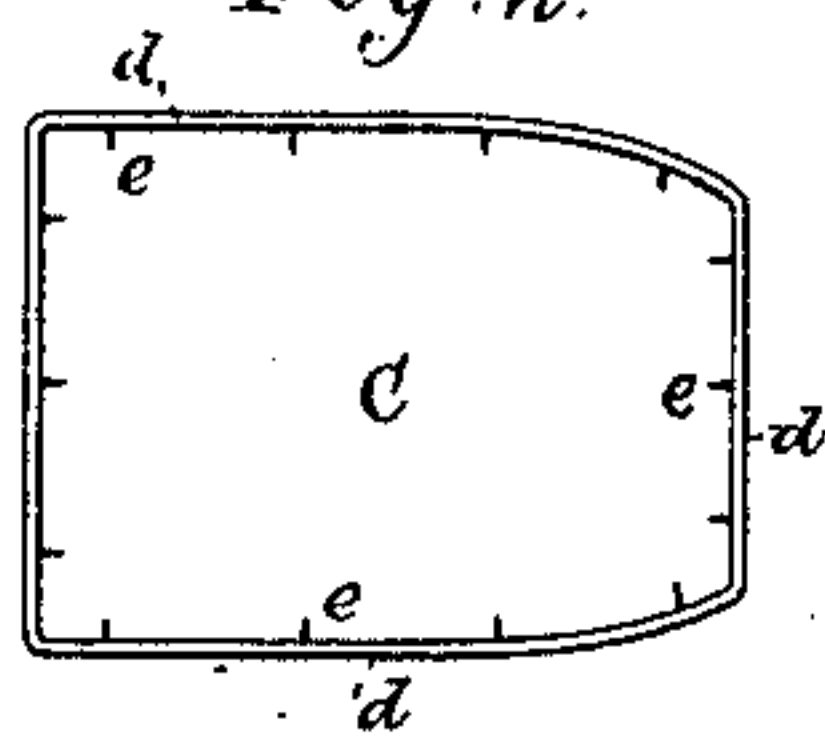
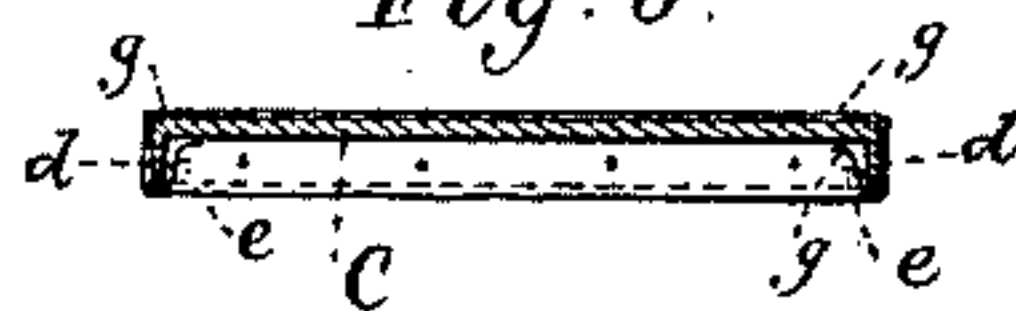


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

HERBERT LINWOOD RICHARDSON, OF WOBURN, MASSACHUSETTS.

IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 339,213, dated April 6, 1886.

Application filed July 6, 1885. Serial No. 170,700. (No model.)

To all whom it may concern:

Be it known that I, HERBERT LINWOOD RICHARDSON, of Woburn, in the county of Middlesex, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Machinery for Ironing Clothes, &c.; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is an elevation in perspective of a machine embodying my invention, the nature of which is defined in the claim hereinafter presented. Fig. 2 is an under side view, and Fig. 3 a longitudinal and median section, of the table-top of such machine.

In the said drawings, A is a vertical post or standard having fixed to and extending upward vertically from its base a cylindrical rod, B.

Above the upper end of the standard A there is a table, C, for supporting the work or article to be ironed by a sad-iron, D. This table is fixed to a rod, b, that slides vertically within the standard, the latter being provided with a set-screw, c, which is screwed transversely into the standard and against the rod.

The table C has a flange, d, extending down from its edge entirely around it, such flange on its inner side being provided with a series of points, e, projecting from it at or about at equal distances apart, they being with the flange to hold in place on the table a cloth cover, g, which, after having been spread on the table and turned about the flange, is hitched on the points.

From the table-top an arm, h, extends and slides vertically on the rod B, which goes up through the said arm, there being screwed into the arm and against the rod a set-screw, i. The said arm serves to support the said rod at its upper part.

The table is adjustable vertically, in order that it may be arranged at such an altitude as may be most convenient for a person while moving the said iron across it.

A crane, D', adapted to turn horizontally on the rod B, rests upon a collar, E, that encompasses the rod, and is held thereto by a set-screw, l, from which it will be seen that the crane is adjustable vertically on the rod.

Pivoted at one end to the crane at its outer part is a bow or arched rod, F, which at its other end is pivoted to the said iron. To the crown of the arch of the rod F another arched rod, G, is fixed at one end. A spiral spring, H, encompasses an arm, m, extending from the pivot of the rod F, and bears at its rear end against a nut, n, screwed on the arm. The said arm goes through the arched rod G, there being screwed on such arm and against the rod G a nut, o. The spring serves to increase the pressure of the said iron on the work, as occasion may require, such pressure being regulated by the nuts of the arm. A shelf, r, for support of the sad-iron when not in use, extends from the upper part of the rod B. The said rod G is loose upon the arm m, so as to be capable of sliding thereon lengthwise of such arm.

By taking hold of the handle p of the sad-iron a person can move such iron across the table in any direction horizontally.

As the crane is adjustable vertically on the rod B, such crane can be set to aid in pressing the sad-iron down upon the work, as the altitude of the table may from time to time be changed.

I do not claim an ironing-machine constructed as represented in the United States Patent No. 136,471; nor do I claim a table-top flanged and having points projecting from the outer side of the flange, as with my improvement the points extend from the inner side of the flange, and therefore are covered, so as not to interfere with or be liable to do injury to a person while operating the machine; but

I claim—

The ironing-machine, substantially as described, composed of the standard, the adjustable table, the arm projecting from such table, the rod extending upward from the base of the standard and through the said arm, the crane and its supporting adjustable collar applied to the rod, and the two arched rods and the spiral spring applied to each other and the sad-iron, all being essentially as set forth.

HERBERT LINWOOD RICHARDSON.

Witnesses:

JOHN W. JOHNSON,
JAMES F. LESLIE.