

No. 673,683.

Patented May 7, 1901.

G. F. KUHNLE.
IRONING MACHINE.

(Application filed Nov. 16, 1900.)

(No Model.)

Fig. 1.

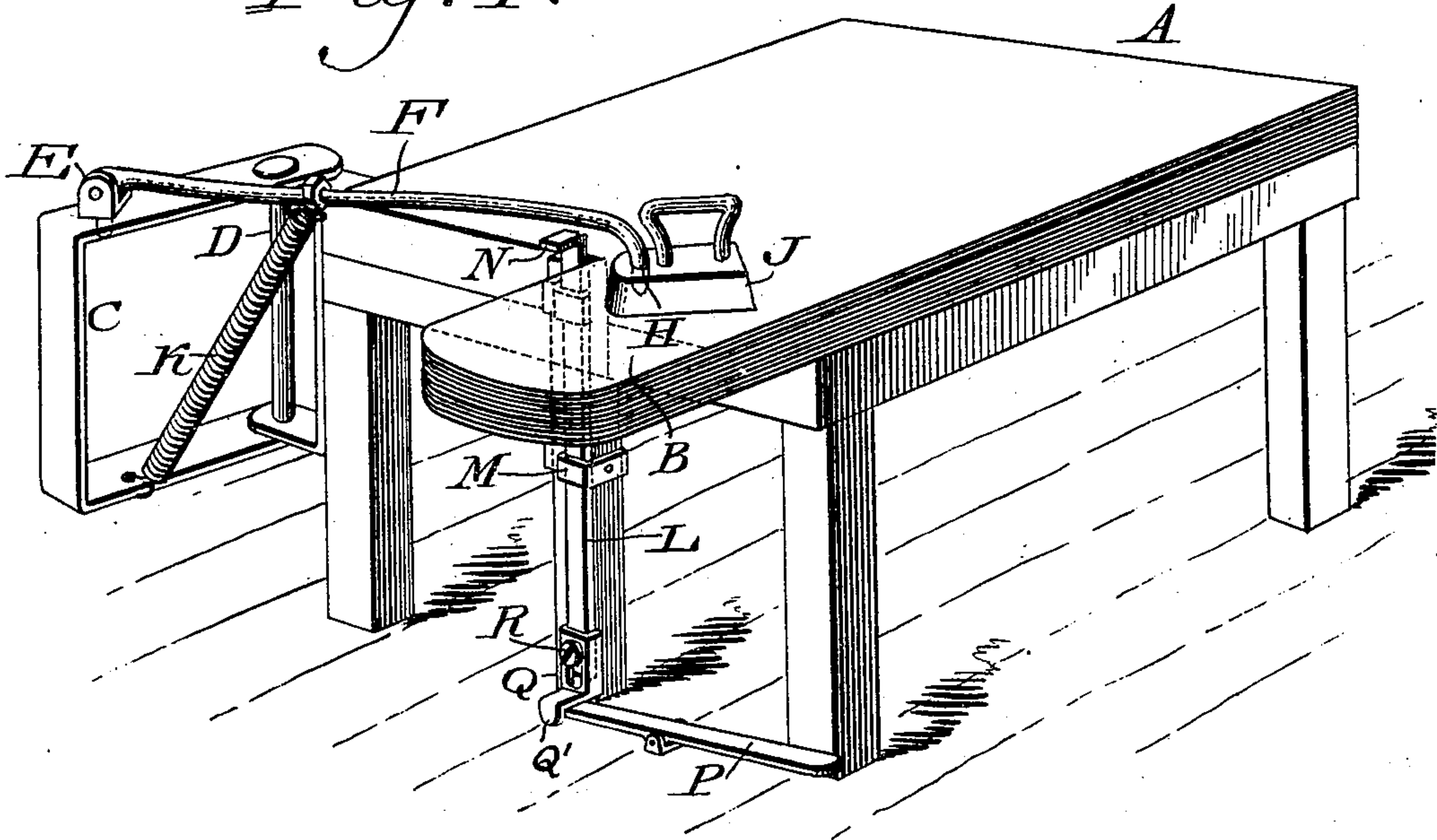
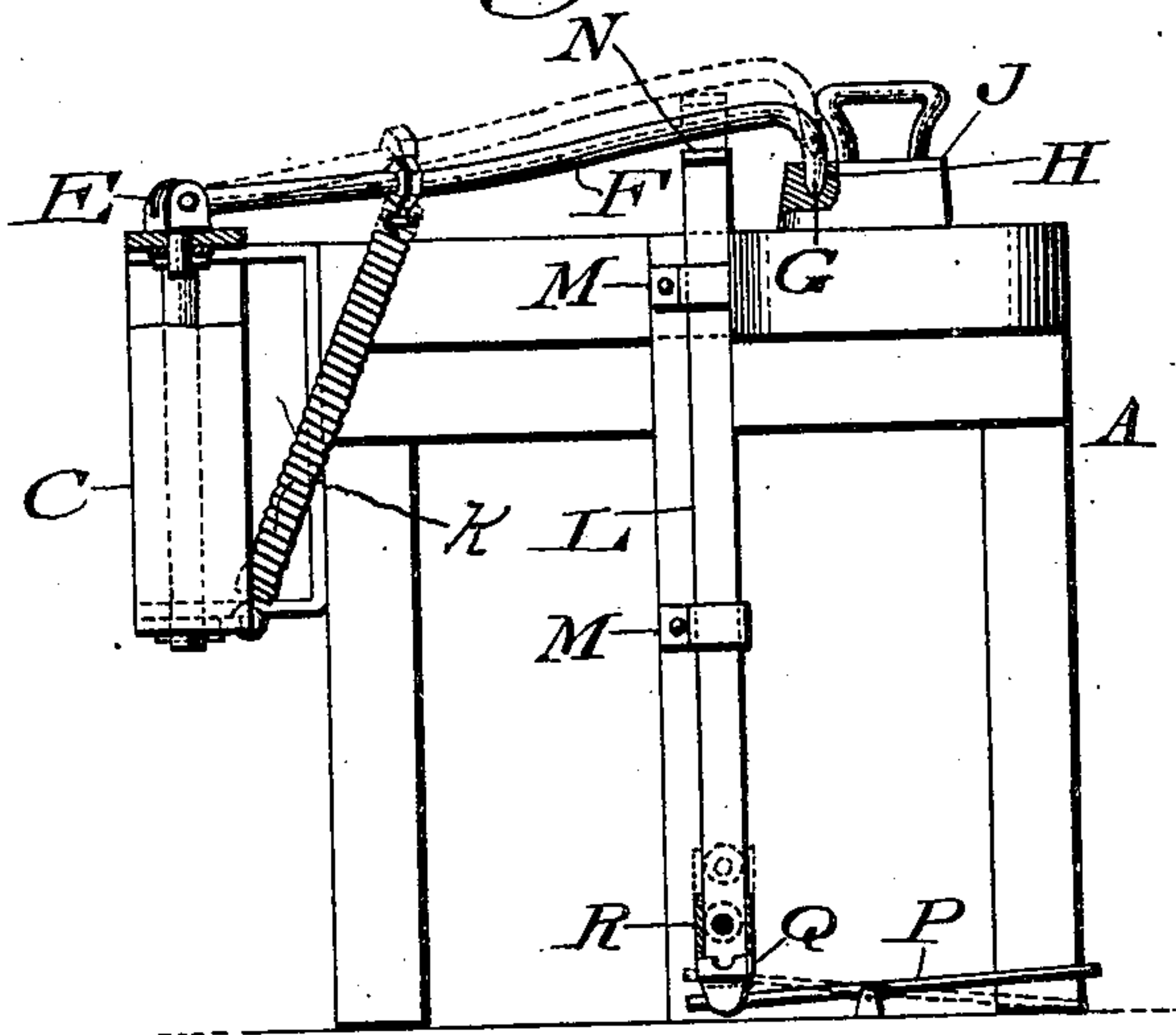


Fig. 2.



Witnesses

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IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 673,683, dated May 7, 1901

Application filed November 16, 1900. Serial No. 36,664. (No model.)

To all whom it may concern:

Be it known that I, GOTTLOB FREDERICK KUHNLE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Ironing-Machines, of which the following is a specification.

My invention consists of an improved ironing-machine, as will be hereinafter described, the novel features of the same being pointed out in the claims.

Figure 1 represents a perspective view of an ironing-machine embodying my invention. Fig. 2 represents an end view thereof, partly sectional.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a table, and B an ironing-board connected therewith.

C designates a frame which is connected with the table A by the pivot D and has attached thereto by the swivel-joint E the arm F, the latter having a downwardly-deflected end G, which is adapted to freely enter the recess or socket H in the sad-iron J as a pivot and connection for said iron and arm.

K designates a spring which is attached to the arm F and the frame C, and its tendency is to create a downward pressure on said arm, and consequently on the iron.

L designates a vertically-arranged bar which is fitted in guides M on the table A and having at its upper end the horizontal arm N, which is so disposed that when required it may engage with the arm F from below, said guides being directly secured to a leg of the table and embracing the same, so that the bar L rests flat against said leg and presents no obstruction beyond the end of the ironing-board, so that the operator can walk and work around said end without striking said bar or any direct connection thereof, while said arm N provides a broad surface, so that the arm P when engaged will not slip off or drop. The lower end of the bar L is adapted to be engaged by the treadle P, which is mounted on the base of the table or floor therefor, it being noticed that on the lower end of said bar is the foot or section Q, which is connected with said bar by means of the screw R, the latter passing through a slot in said foot and entering the bar, whereby the foot may be moved up and down and provision made for

adjusting the height it is desired to raise said bar, said foot resting on said treadle P. On the side of the foot Q is a depending flange Q', which serves to guide the engaging end of the foot-treadle and prevent outward disconnection thereof.

The operation is as follows: The iron, properly heated, is engaged by the arm F and worked over the article to be ironed as usual in such cases, the arm, however, yielding with the motions of the iron and preserving its pressure thereon, so that the work may be accomplished in a convenient and effective manner. When it is desired to remove the iron, disconnection from the arm F is necessary. For this purpose the iron is so moved that said arm stands over the bar L, when the treadle is operated and the said bar is lifted, thus raising the arm F and removing the end G from the iron, when the treadle is let go and the arm lowers. When the iron is returned or restored, it is placed on the board, when the bar is again raised and lowered and guided into the recess H, and thus the iron and arm are connected as before, it being evident that the vertical motions of said arm are permitted owing to the swivel-joint E, while the lateral movements of the same are permitted owing to said swivel-joint and the pivotal connection of the frame C with the table.

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

1. In an ironing-machine, a pivotal arm adapted to detachably engage the ironing device, a carrier for said arm, a lifting device on the table of the machine adapted to engage with said arm, a footpiece connected with the lower end of said bar, and a treadle adapted to engage with said footpiece, said footpiece being adjustably connected with said bar.

2. In an ironing-machine, a pivotal arm adapted to detachably engage the ironing device, a carrier for said arm, a lifting device on the table of the machine adapted to engage with said arm, a footpiece connected with the lower end of said bar, and a treadle adapted to engage with said footpiece, said footpiece being adjustably connected with said bar and provided with a depending flange at the side of said treadle.

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Witnesses:

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