

A. G. GARDNER.

Improvement in Ironing Machines.

No. 123,819.

Patented Feb. 20, 1872.

Fig. 1.

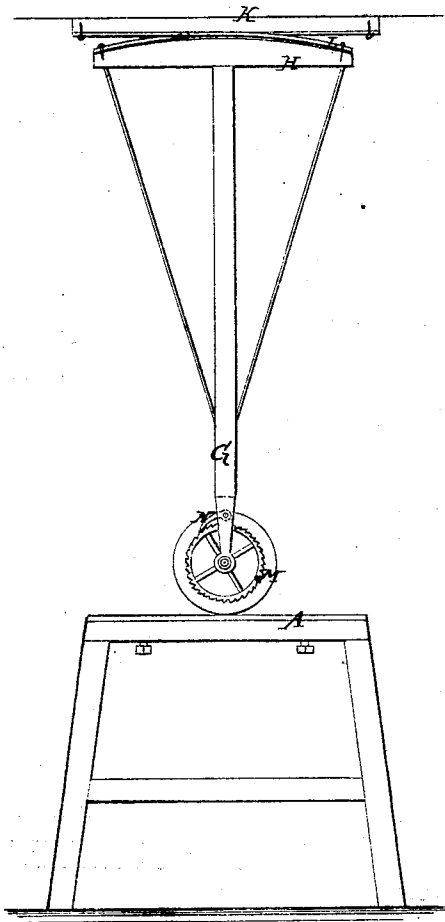
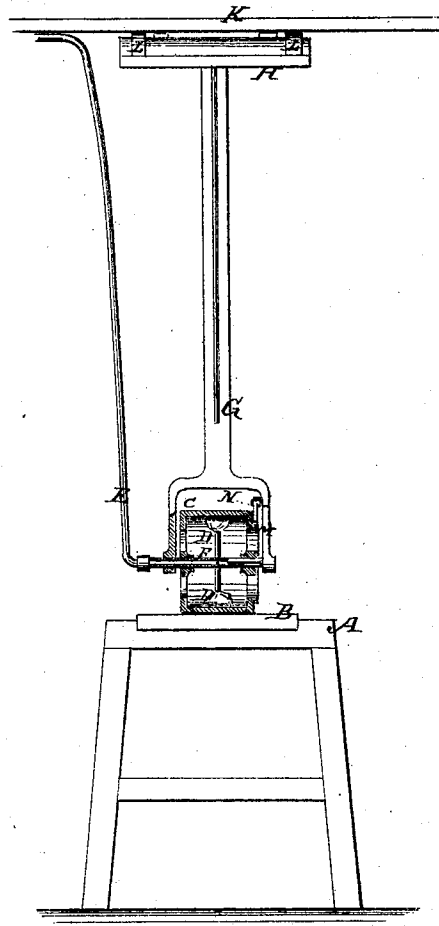


Fig. 2.



Witnesses:

Chas. Nida.
Francis McArdle.

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PER

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UNITED STATES PATENT OFFICE.

ANSON G. GARDNER, OF TROY, NEW YORK.

IMPROVEMENT IN IRONING-MACHINES.

Specification forming part of Letters Patent No. 123,819, dated February 20, 1872.

Specification describing a certain Improved Ironing-Machine, invented by ANSON G. GARDNER, of Troy, in the county of Rensselaer and State of New York.

My invention consists in a heated smoothing-wheel, swinging over the ironing-table in a plane parallel with it, and rolling on the goods to be ironed when moving forward, but sliding on them when moving back to do the smoothing, the rotary motion being arrested when the backward-swinging motion begins; but I may have the wheel revolve continuously as well.

Figure 1 is a side elevation of my improved machine; and Fig. 2 is a sectional elevation.

Similar letters of reference indicate corresponding parts.

A is the ironing-table, with a bed or board, B, of any kind, which is to be covered or dressed with flannel or other cloth, as ironing-boards are, to make a soft bed for the iron, and to hold the goods against being moved about by the iron. C is the cast-iron ironing-wheel, such as used in other machines of this character. It is heated by a gas-jet, D, admitted through the tube E and hollow axle F. This wheel is mounted in the lower end of a frame, G, having a rocker, H, at the upper end, fitted against the ceiling or a beam of any kind at a suitable distance above the ironing-bed, to rock back and forth as the wheel is vibrated by a crank and connecting-rod or any other competent means, the rod being connected to the frame a short distance above the wheel. The rocker is employed to give a parallel motion to the wheel, and is adjusted, as to its curvature, for that purpose. It may be confined in its position under the plate K by any preferred means, say a pair of straps, L. M is a ratchet-wheel or rim on the wheel C, and N,

a pawl for engaging it at the moment the wheel begins to swing back to hold the wheel from rolling, and to cause it to slide on the goods and smooth them. At the forward movement, the wheel rolls along upon the goods, which are adjusted on the table A at the time the wheel is in the-rearmost position. The table may be mounted on adjusting-screws or springs, to have, in the latter case, a slight rising-and-falling motion to compensate for variations in the thickness of the goods being ironed. The plate K may also have springs behind it. I may have the wheel turn continuously, if thought best, and dispense with the ratchet and pawl, the wheel being driven by a belt from a pulley near the top of the frame, and swinging with it. In this case the rotation of the wheel would facilitate the smoothing at the time it moves back.

In ironing small articles with this machine, two attendants can be kept busy, one on each side, each applying and removing the goods as the wheel recedes from him. In this respect the machine is better than those in which the table or bed oscillates or reciprocates, and is not always in the right position for the attendant.

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

The combination of ironing-table A, covered board B, hollow ironing-wheel C, gas-jet D, tube E, hollow axle F, frame G, and rocker H, as and for the purpose described.

The above specification of my invention signed by me this 28th day of September, 1871.

ANSON G. GARDNER.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.