

D. BENNETT.
IRONING APPARATUS.

No. 179,675.

Patented July 11, 1876.

Fig. 1

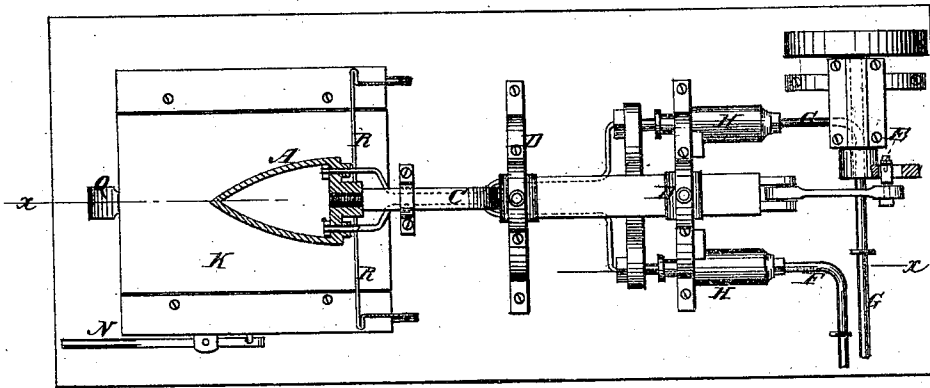


Fig. 2.

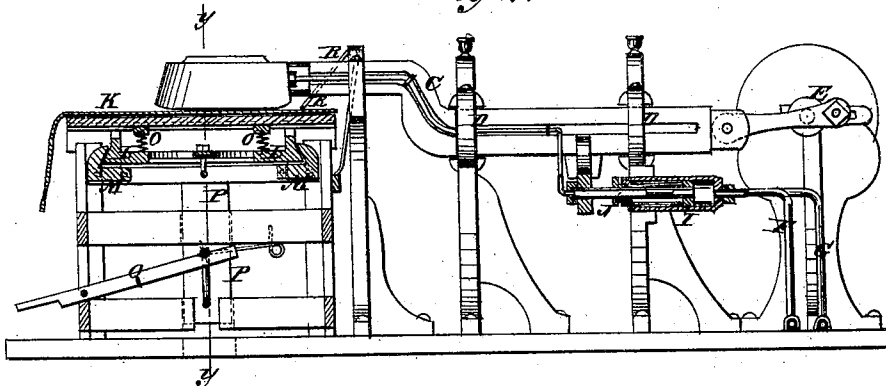
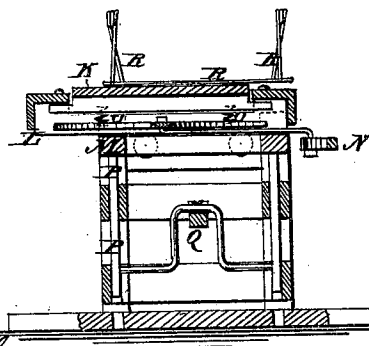


Fig. 3.



WITNESSES:

Francis McAuliffe
John Goethals

INVENTOR:

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BY *[Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE

DANIEL BENNETT, OF CHILLICOTHE, OHIO:

IMPROVEMENT IN IRONING APPARATUS.

Specification forming part of Letters Patent No. **179,675**, dated July 11, 1876; application filed June 12, 1876.

To all whom it may concern:

Be it known that I, DANIEL BENNETT, of Chillicothe, in the county of Ross and State of Ohio, have invented a new and Improved Ironing-Machine, of which the following is a specification:

My invention consists of a reciprocating iron, with contrivance for heating it by steam, which is admitted to and exhausted from it, while running, by pipes having an extension-joint, with stuffing-box working correspondingly with the iron; and it also consists of a work-table having vertical and lateral reciprocating movements, in combination with the reciprocating iron, to present the work to the iron, all as hereinafter described.

Figure 1 is a plan view of the machine, except the iron, which is shown in horizontal section. Fig. 2 is a sectional elevation of the machine, taken on the line *x x* of Fig. 1. Fig. 3 is a transverse section taken on the line *y y*, Fig. 2.

Similar letters of reference indicate corresponding parts.

A represents a hollow iron, which I prefer to construct in about the same form as the common sad-irons, except at the corners I round it off a little to prevent it from catching in the clothes. This iron is attached to the reciprocating bar C, arranged to slide in supports D, and operated by the crank-shaft E, to which the power is applied, and to which the bar is geared, so as to be made to work long or short strokes at will.

The steam is admitted to and exhausted from the hollow iron while at work by the pipes F and G, each having an extension-joint, consisting of a cylinder, H, piston I, and stuffing-box J, the cylinder being attached to a stationary part of the pipe, and the piston to the part attached to and moving with the iron and its carrying-bar, thus enabling

live steam to circulate through the iron and keep it hot while running.

The work-table K is mounted on a support, L, which is adjustable laterally in the support M by a lever, N, to allow the goods to be shifted along the iron as the work progresses; and it is mounted thereon by springs O, which yield to the inequalities of the goods, and press them up to the iron by an elastic pressure calculated to enable the iron to work easily and pass the goods uniformly.

The support N is made to rise and fall by the vertical slides P and foot-lever Q, to facilitate the pulling on and removing of the goods, and a spring-holder, R, is arranged in such relation to the side opposite to the one where the operator presents and holds the goods that when the table is raised up to the iron it takes hold and prevents the iron from displacing it, and when the table descends it frees the goods, so that they can be readily taken off and others can be put on.

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

1. The combination of inlet and exhaust pipes F G, having an extension-joint, H I J, with a reciprocating iron, A, substantially as specified.

2. The combination of the laterally and vertically adjustable table K with an iron mounted on and operated by the reciprocating bar C, substantially as specified.

3. The combination of the spring-holder R with the vertically-adjustable table K and the reciprocating iron A, substantially as specified.

DANIEL BENNETT.

Witnesses:

LABAN B. LYONS,
C. H. HOWARD.