

E. B. Blackwell,

Ironing Machine.

No. 112,533.

Patented Mar. 14, 1871.

Fig. 1.

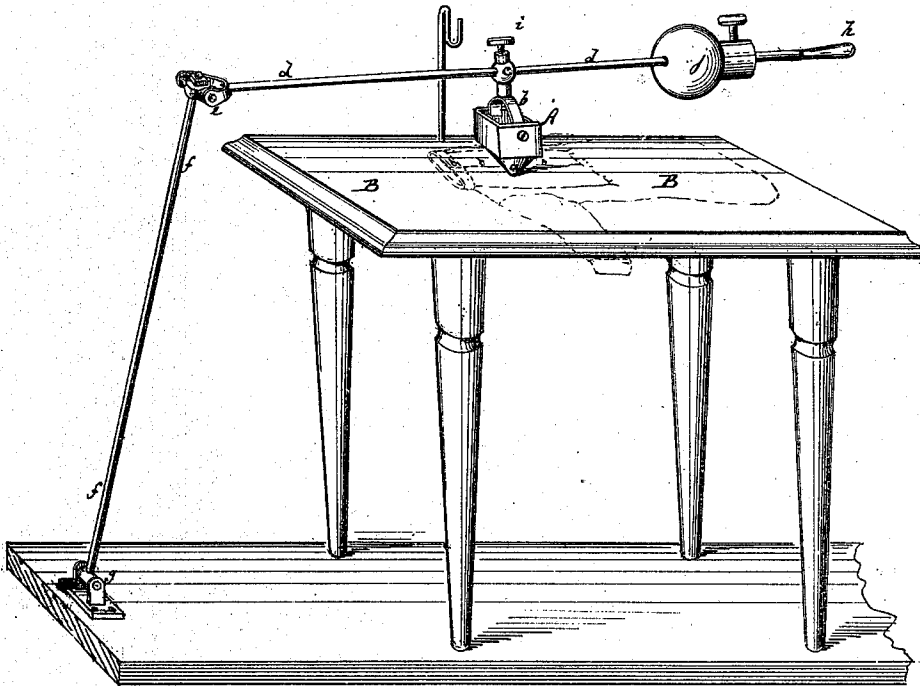
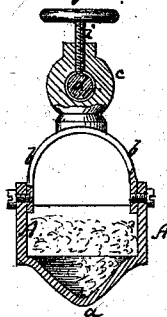


Fig. 2.



Witnesses:

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EZRA B. BLACKWELL, OF NEWTON, MASSACHUSETTS.

IMPROVEMENT IN SHIRT-POLISHING MACHINES.

Specification forming part of Letters Patent No. **112,533**, dated March 14, 1871.

To all whom it may concern:

Be it known that I, EZRA B. BLACKWELL, of Newton, in the county of Middlesex and State of Massachusetts, have invented a new and Improved Shirt-Polishing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 represents a perspective view of my improved shirt-polishing machine. Fig. 2 is a detail transverse section of the polishing-tool.

Similar letters of reference indicate corresponding parts.

My invention relates to shirt-polishers operated by hand-power; and consists in combining with an ordinary plain ironing-table a tool, which is only brought into contact on a line, and momentarily, while the pressure is regulated by an adjustable weight. This obviates the varying pressure of the hand.

It also consists in an improved construction of the hand-polisher.

It also consists in the use of a single rod or handle, weighted at one end, pivoted at the other, and passing through an eye of the tool near the center.

A in the drawing represents the box shaped polishing-tool. It is made of suitable metal, and either open on top, as shown, to receive heating-slugs, coal, or other heating devices, or it is quite closed, so that it may be heated by steam, gas, or heated liquid let into it.

The bottom of the polisher A is made convex at its lower face, or of inverted truncated conical form, but rounded at the point, so that it will polish with said rounded point *a*. This gives greater effect to the operation of polishing, as it concentrates more than can be done by a flat surface.

The upper part of the polisher A carries a

yoke or strap, *b*, to which an eye, *c*, is affixed. Through this eye is fitted a rod, *d*, which is, by universal joint *e*, pivoted to an arm, *f*, which, in turn, is pivoted to ears *g g*, that project from the floor, wall, or other fixed part of the room. The rods *d f* constitute thus a jointed frame. The free end of the rod *d* has a handle, *h*, by means of which it can be moved at will.

The tool A is locked to the rod *d* by a set-screw, *i*, in any desired position, but can be adjusted thereon at will.

j is a weight suspended from the free end of the rod *d* and adjustable thereon. B is a table or platform of suitable kind.

The articles to be polished are placed upon the table and the polisher heated and moved over the surfaces of the goods, the weight pressing it down with sufficient energy for the desired effect, although pressure by hand can be added.

The jointed rods permit the tool to be moved in every direction over the goods, to polish the same throughout.

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

1. The reciprocating hand-polisher A, pressed by a uniform weight, combined, as described, with a flat table, B, so that a pushing movement will operate it without the unequal pressure of the hand.

2. The improved ironing-tool, consisting of the part A *a*, strap *b*, and eye-piece *c*, put together as described.

3. The combination, with the eye-piece *c*, of the actuating rod or handle *d*, having the adjustable weight *j* thereon, as and for the purpose described.

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Witnesses:

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