

W.H. Tobey
Polishing Mach.

N^o 63186.

Patented Mar. 26. 1867

Fig. 1.

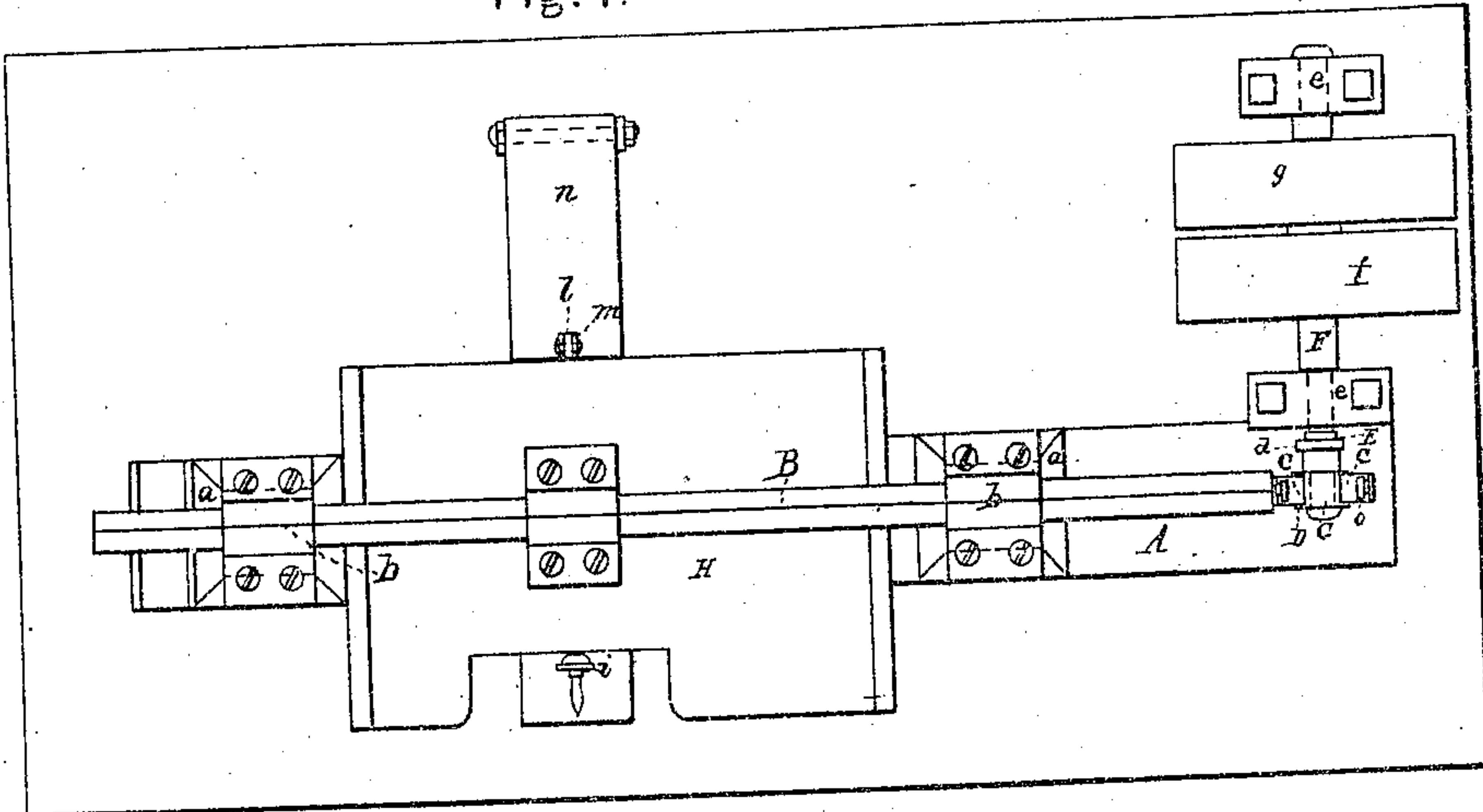


Fig. 2.

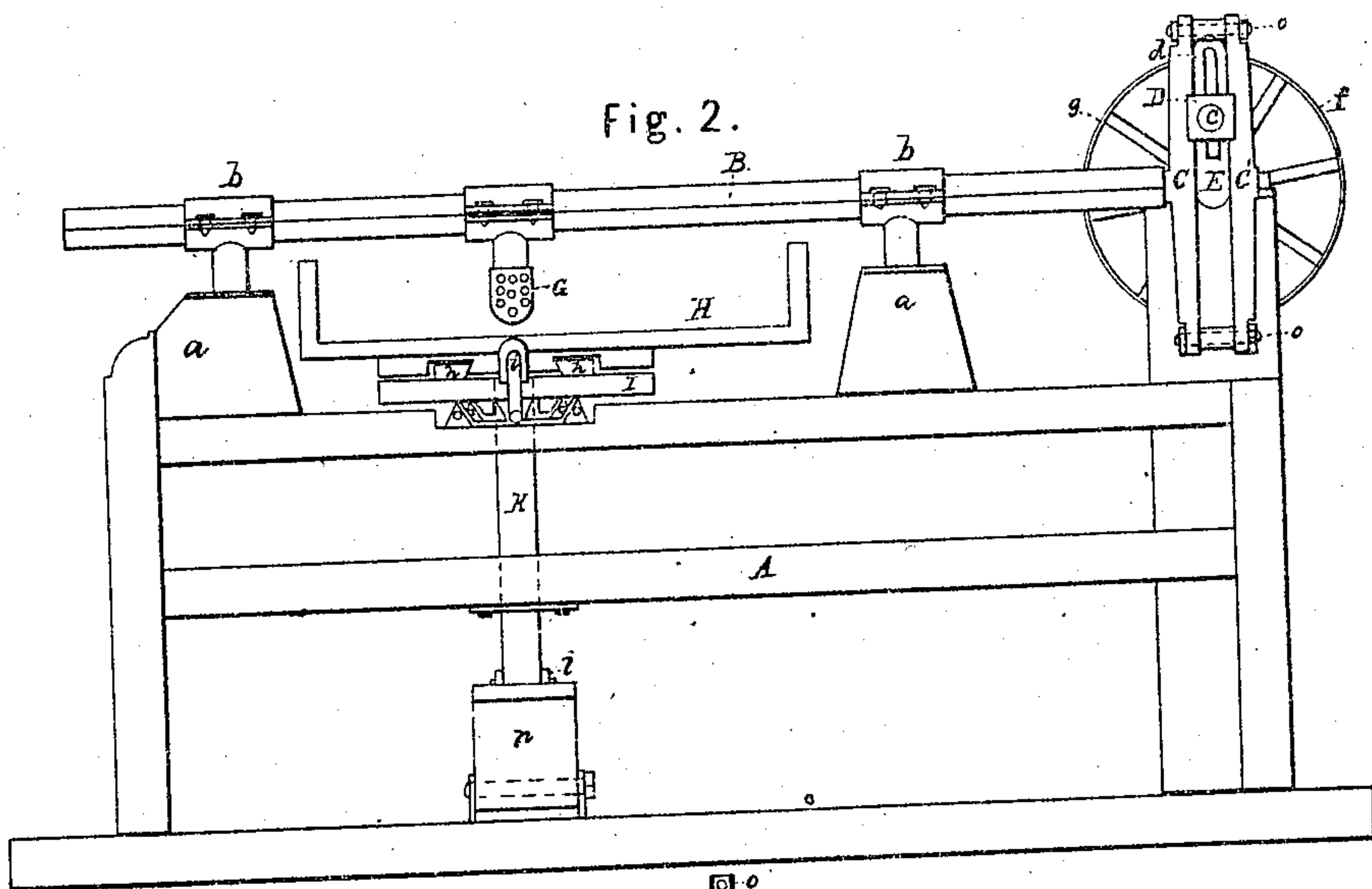
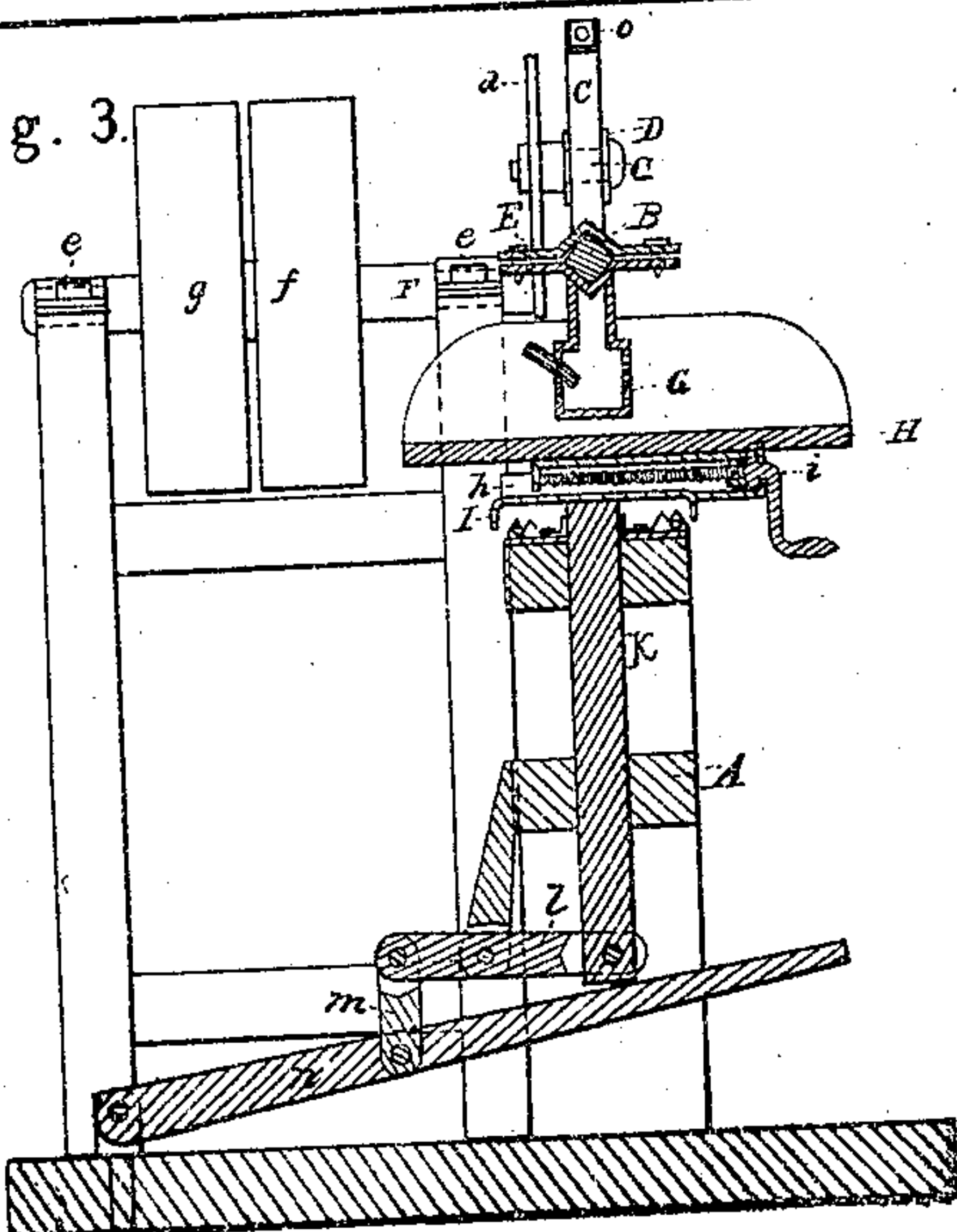


Fig. 3.



Witnesses.

Geo. H. Andrews.
Samuel A. Piper.

Inventor.

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by his attorney.
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United States Patent Office.

WILLIAM M. TOBEY, OF NEW LONDON, CONNECTICUT.

Letters Patent No. 63,186, dated March 26, 1867.

IMPROVEMENT IN IRONING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, WILLIAM M. TOBEY, of the city and county of New London, and State of Connecticut, have invented a new and useful Machine for Polishing Starched Shirt Bosoms or other articles of like character; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view.

Figure 2, a front elevation; and

Figure 3, a transverse section of it, such section being taken through the polishing tool and the treadle, to be hereinafter described.

In such drawings A is the frame of the machine, as provided with two standards, *a a*, on which are erected boxes *b b* for supporting a horizontal slide-rod, B, so as to allow of such rod being moved back and forth longitudinally. A bar, C, fixed at its middle to one end of the said rod B and arranged at right angles to the rod, has another bar, C, disposed parallel to and at a short distance from it, the two bars C C' being connected at their ends by screw-bolts *o o* going through them, and provided with nuts, as shown in the drawings. A box, D, slides on and between the two bars C C' and receives the wrist *e* of a crank, E, such wrist being so fixed to its arm, *d*, as to be adjustable in distance from the axis of a shaft, F, to one end of which the crank-arm is fixed. This shaft, duly supported in bearings *e e*, has a fast pulley, *f*, and a loose pulley, *g*, applied to it, and is to be revolved by a belt running on the fast pulley. A chambered polishing tool, G, is fastened to the rod B, and extends down therefrom, as represented, and is to have appliances by which it may be heated by a stream of gas thrown into and inflamed within it. Underneath the said tool is a table or platform, H, which is supported by another platform, I, affixed on the upper end of a pitman, K, so affixed to the frame A as to be capable of sliding vertically therein. The platform H is supported on parallel guide-rails *h h*, projecting upward from the table I, and such platform has an adjusting screw, *i*, applied to it and the table, whereby, by revolving the screw, the platform may be moved transversely of the frame, either forward or backward, underneath the polishing tool. The lower end of the pitman is jointed to one end of a short lever, L, whose other arm is jointed to a projection, *m*, extended up from a treadle, *n*, the whole being arranged as represented in the drawings.

In operating with the machine the shirt bosom, or article to be polished or ironed, is to be laid on the platform H, the polishing tool being supposed to have a quick reciprocating motion imparted to it. With his foot pressing on the treadle, the attendant forces up the platform so as to bring the shirt bosom into contact with the polishing tool. With his hands, and by means of the lateral adjustments of the table, he can move the shirt bosom underneath the polishing tool in such manner as may be necessary to cause the latter to pass over and polish the entire surface to be acted on by it.

I am aware that, for polishing or dressing leather, a vibratory tool has been applied to and moved on and along a table or bed, therefore I make no claim to such.

What I claim as my invention is—

The shirt-bosom ironing machine, made substantially as and to operate as described, viz, of the chambered polisher, (to be heated as described,) the mechanism to operate or move such polisher, the platform for supporting the work, the mechanism for moving such platform laterally and vertically in manner as specified, the whole being applied to a frame, and so as to operate substantially as hereinbefore explained.

WM. M. TOBEY.

Witnesses:

R. H. EDDY,

GEO. H. ANDREWS.