

P. J. Flanedy Ironing Mach.

N^o 68,617.

Fig. 1.

Patented
Sep. 10. 1867

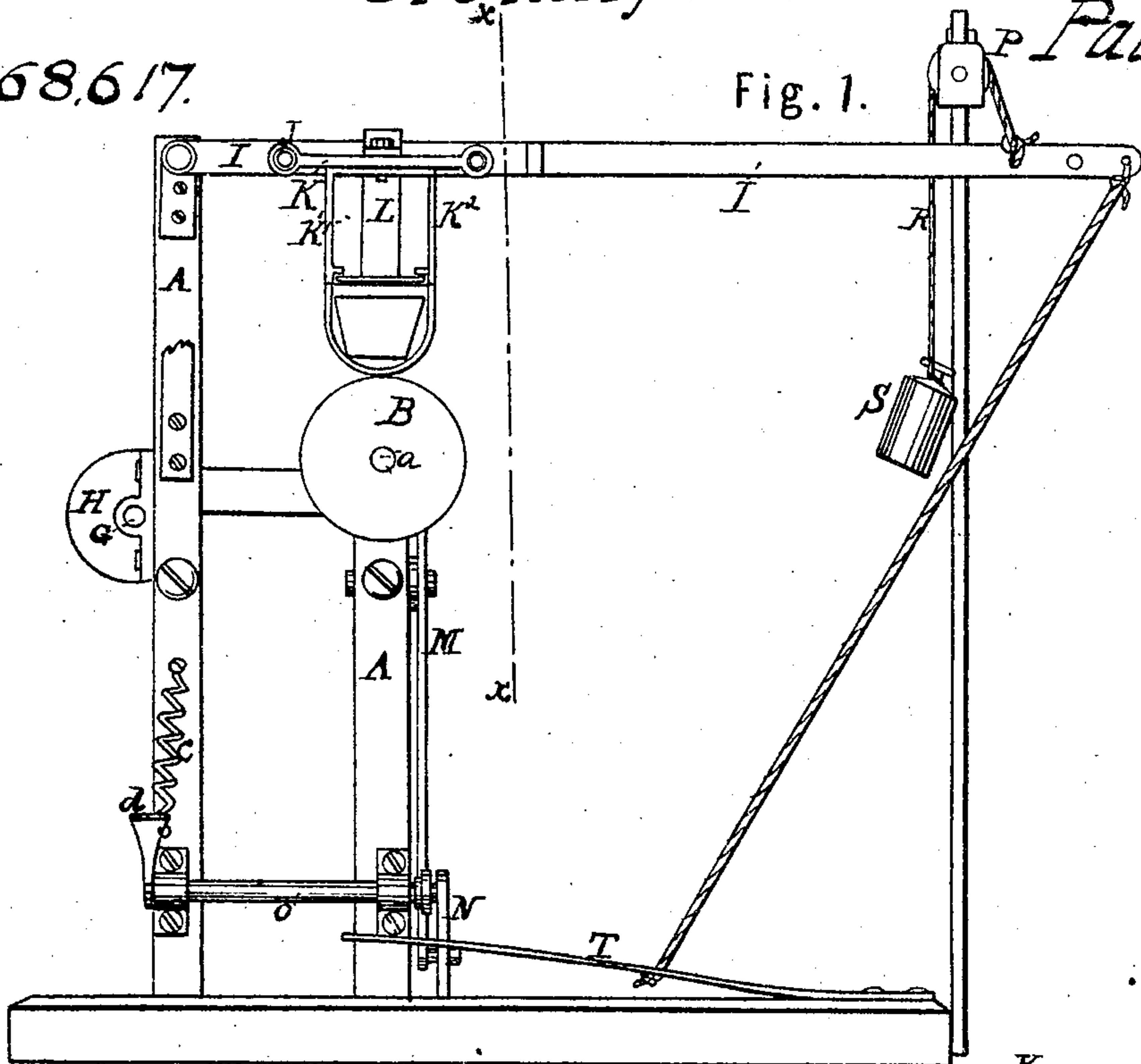


Fig. 2.

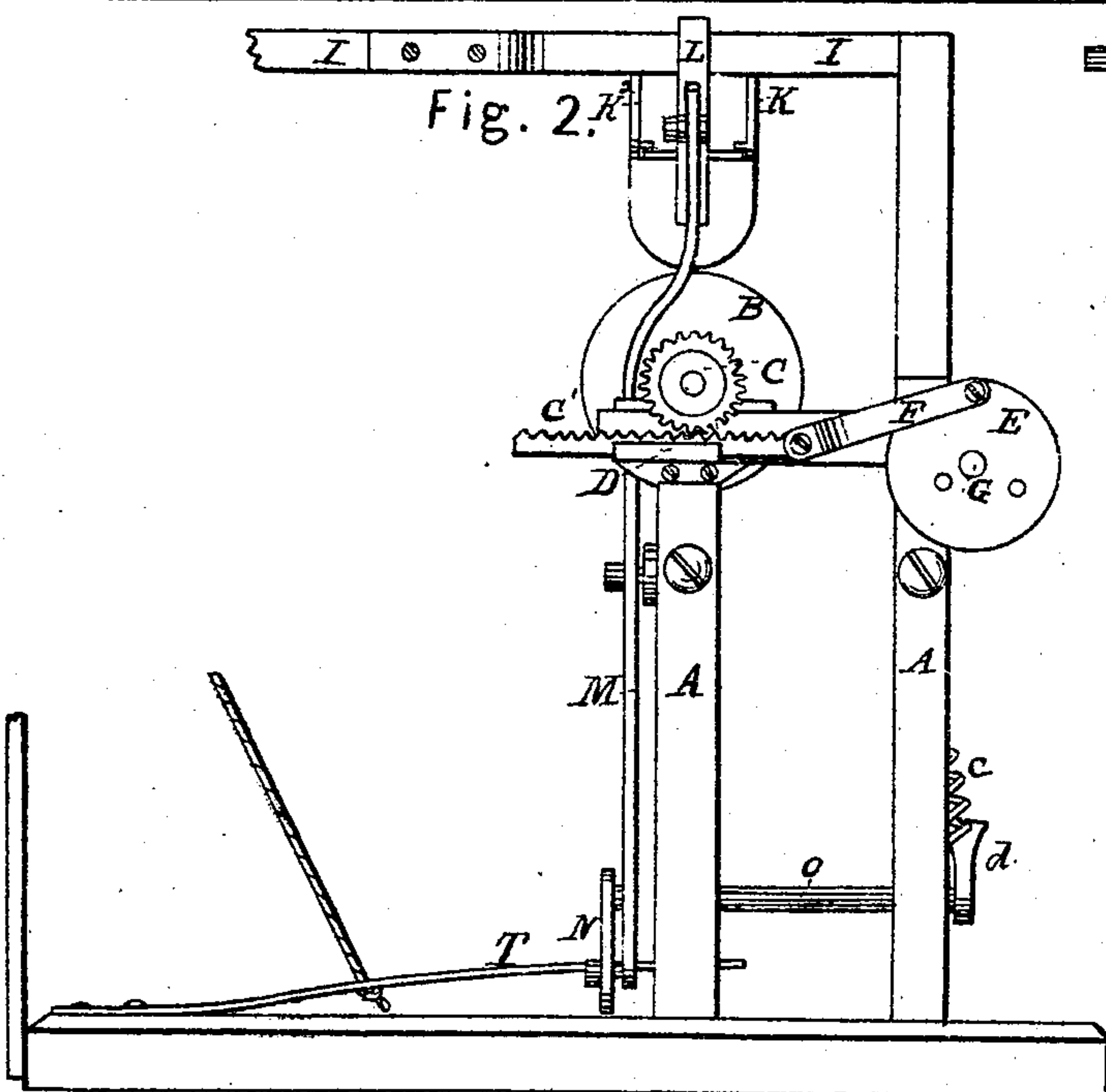
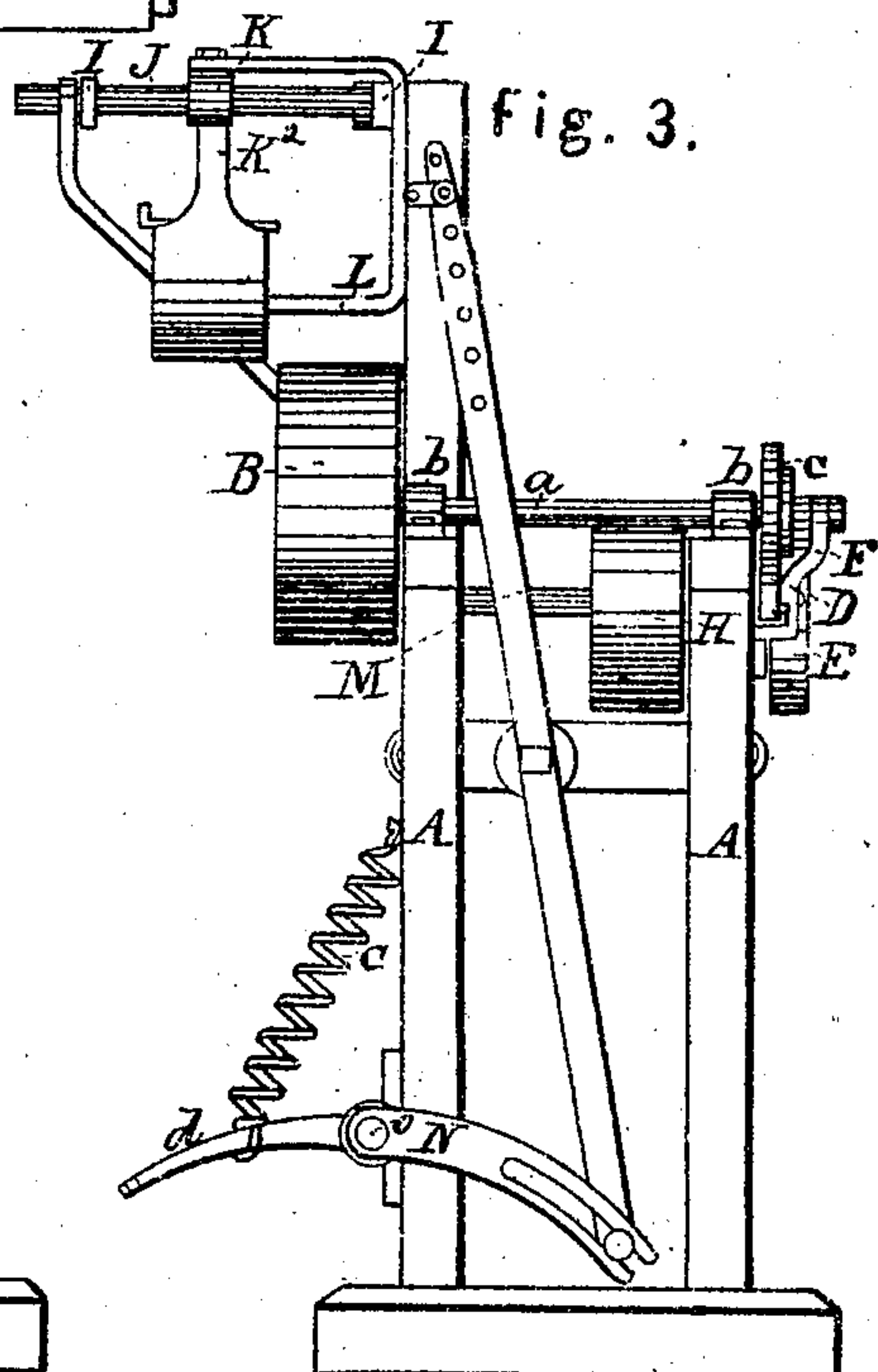


fig. 3.



Witnesses.

Chas Smith
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Inventor.

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United States Patent Office.

PATRICK J. FLANEDY, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 68,617, dated September 10, 1867.

IMPROVEMENT IN IRONING MACHINES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, PATRICK J. FLANEDY, of San Francisco, county of San Francisco, State of California, have invented certain new and useful improvements in Machines for Polishing Shirts, Collars, and other Fabrics; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention and improvements consists in a combination and arrangement of devices by means of which the operator is able to traverse a heated polishing-iron from and towards him upon a polishing-wheel or board by moving his foot.

In order more fully to describe my invention, reference is made to the accompanying drawings and the letters marked thereon, of which—

Figure 1 is a front elevation.

Figure 2, a back view.

Figure 3, an end sectional view.

A is a frame of any desired dimensions, across which is a shaft, *a*, operating in the journal-boxes *b b*, and supporting at one end the polishing-wheel B, fixed upon it. On the opposite end of this shaft is fastened the pinion C, operated by the rack C', which traverses in a track or way, D, attached to the side of the frame. This rack is connected to a crank-wheel, E, by a bar, F, the cam-wheel being turned by means of the pulley H upon its shaft G, and communicating by the means just described a reciprocating motion to the polishing-wheel B. A frame, I, of metal or other material, is attached by brackets or otherwise to a post of the frame A, transversely across which are placed the rods or ways J J, upon which the polishing-iron Z is supported and allowed to traverse or slide forward and backward, it being connected to the cross-head K, traversing on these ways, by means of the straps K¹ K², these straps being so constructed as to allow the inner or heating-iron to be easily removed from the holder. A rectangular frame, L, is attached to the cross-head and to the side of the polishing-iron, having a loose-jointed connection with the lever-bar M, which has for its fulcrum the bolt *x* in a cross-bar of the frame A. At the lower end of this lever is a projecting pin or stud, traversing in a slot in the curved arm N, fastened upon the foot-roller or rock-shaft O, a spiral spring, *c*, being attached to the treadle *d* and the frame A. The upper part of the lever-bar M is furnished with several holes to adjust the connection with the frame L to the proper height. At the opposite end of the frame A is an upright post supporting a sheave or pulley-block, P, over which a cord, R, passes, having one end fastened to the arm of the frame I, and a weight, S, suspended at the other. Another cord passes from the end of the arm of the frame I to a spring foot-bar, T, bolted upon the base of the frame A.

In the operation of my machine, a heated iron having first been placed in the holder of the polishing-iron, the operator takes a sitting position at the polishing-wheel, which must be covered with flannel or other suitable material. The linen to be polished may then be placed upon it and the machine set in motion. The polishing-iron is now pressed down by the right foot upon the spring-bar T, and the wheel draws the linen under the iron by its reciprocating motion communicated by the rack and pinion, and when it becomes necessary to polish the yoke around the neck of the shirt the left foot is placed and pressed upon the foot-bar or pedal of the shaft O, thus giving motion to the lever M, and carrying the iron towards the operator, which enables him to polish the shirt next to the hand. It is intended that the weight S should be sufficient to raise the iron from the wheel, so that when the right foot is raised off the bar T the linen will be released.

I am aware that polishing-irons and wheels similar to those in my invention have been used, but for want of means by which the operator could traverse the polishing-iron, it has required an extra hand for that purpose, stationed at the opposite side of the machine, and the whole frame from which the iron is suspended must slide, in order to move the iron to and from the operator. By the use of my machine the expense of the extra hand is saved, and the work performed both better and more expeditiously.

I claim, in combination with the lever-frame I, the cross-head K, the ways J J, straps K¹ K², and frame L, substantially as and for the purposes described.

I also claim the lever M, in combination with the slotted arm N, shaft O, pedal *d*, and spring *c*, substantially as and for the purposes set forth.

PATRICK J. FLANEDY.

Witnesses:

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GEO. H. STRONG.