

No. 753,596.

PATENTED MAR. 1, 1904.

F. LINDSAY.
GARMENT PRESSING MACHINE.

APPLICATION FILED MAR. 7, 1903.

NO MODEL.

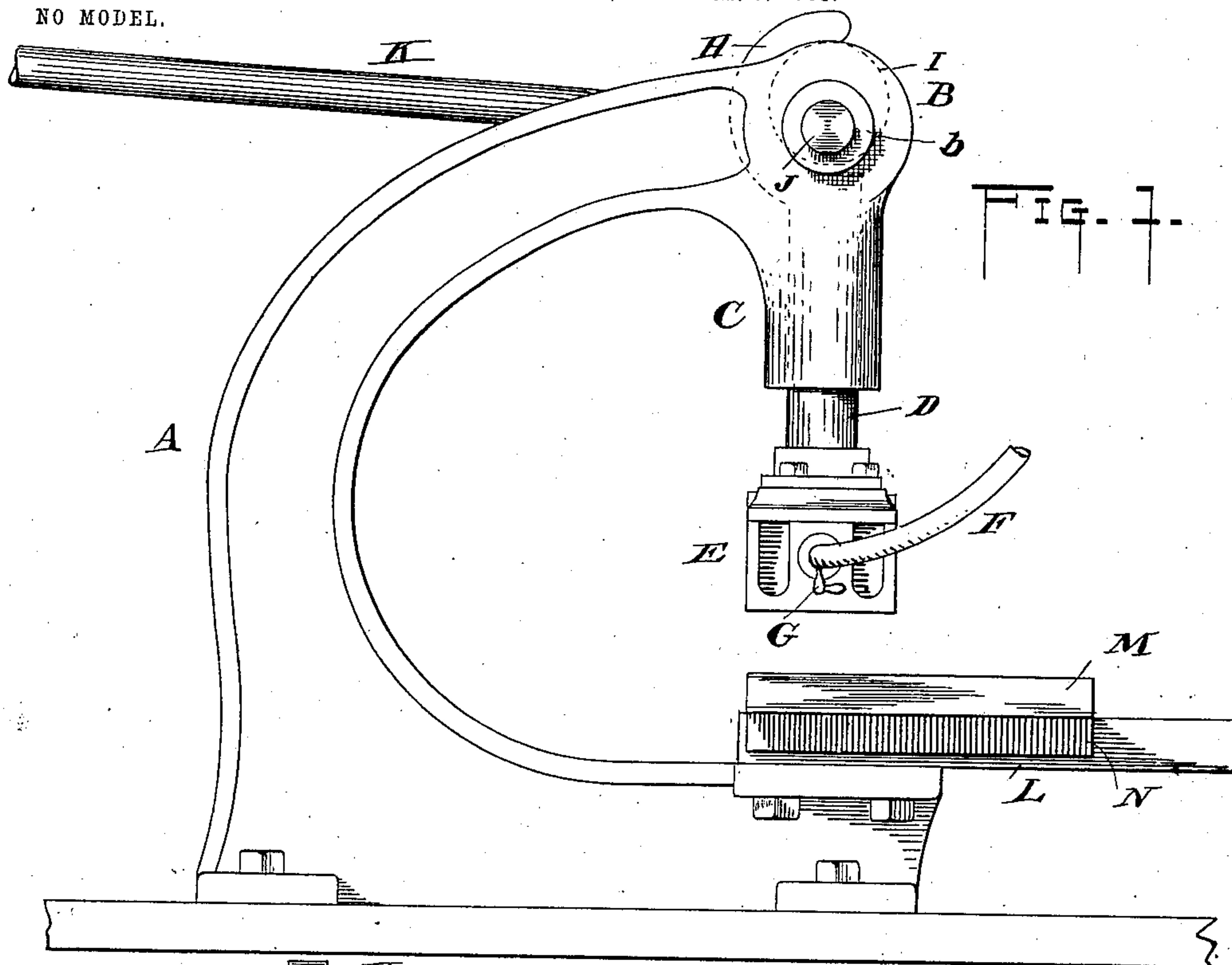


FIG. 1.

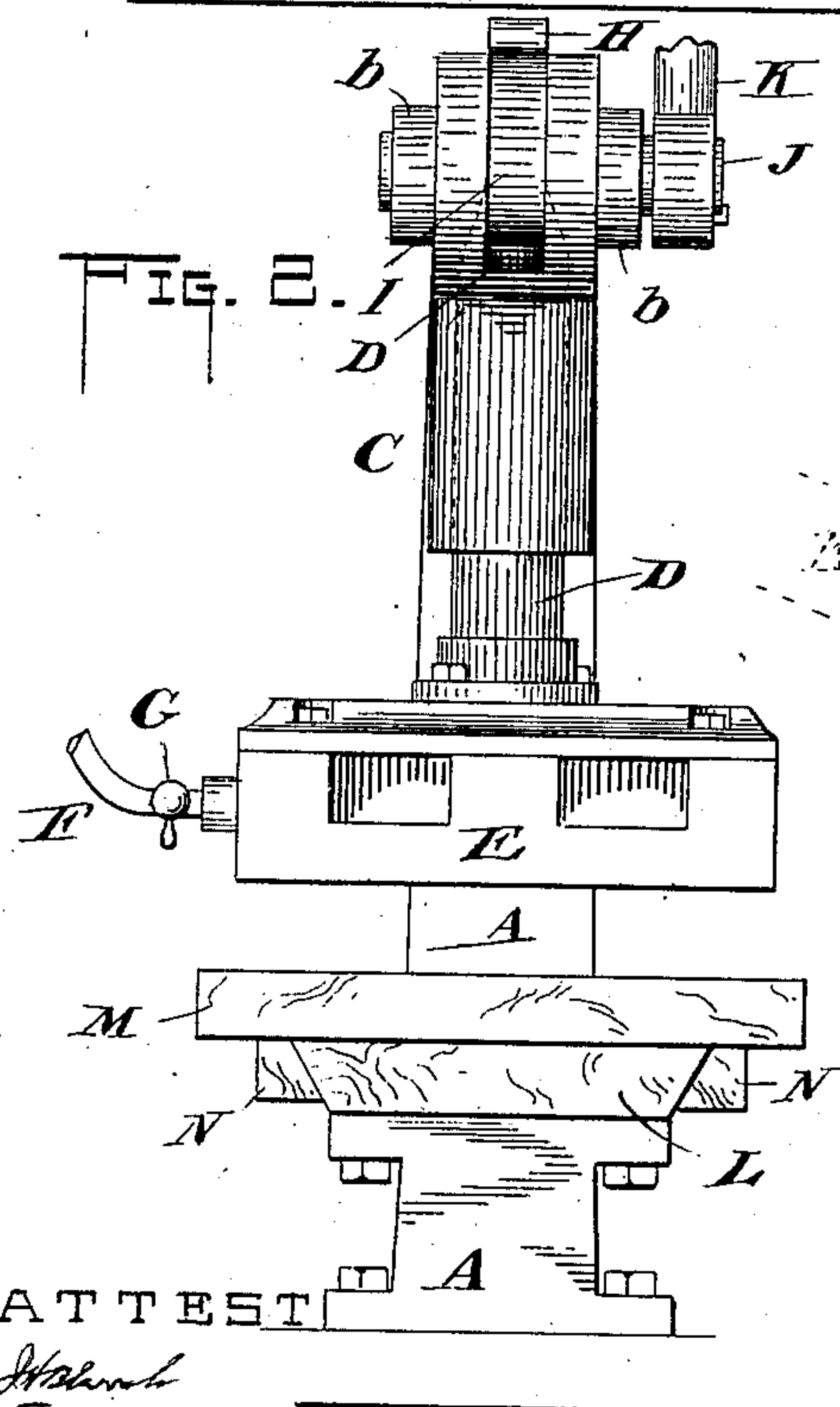


FIG. 2.

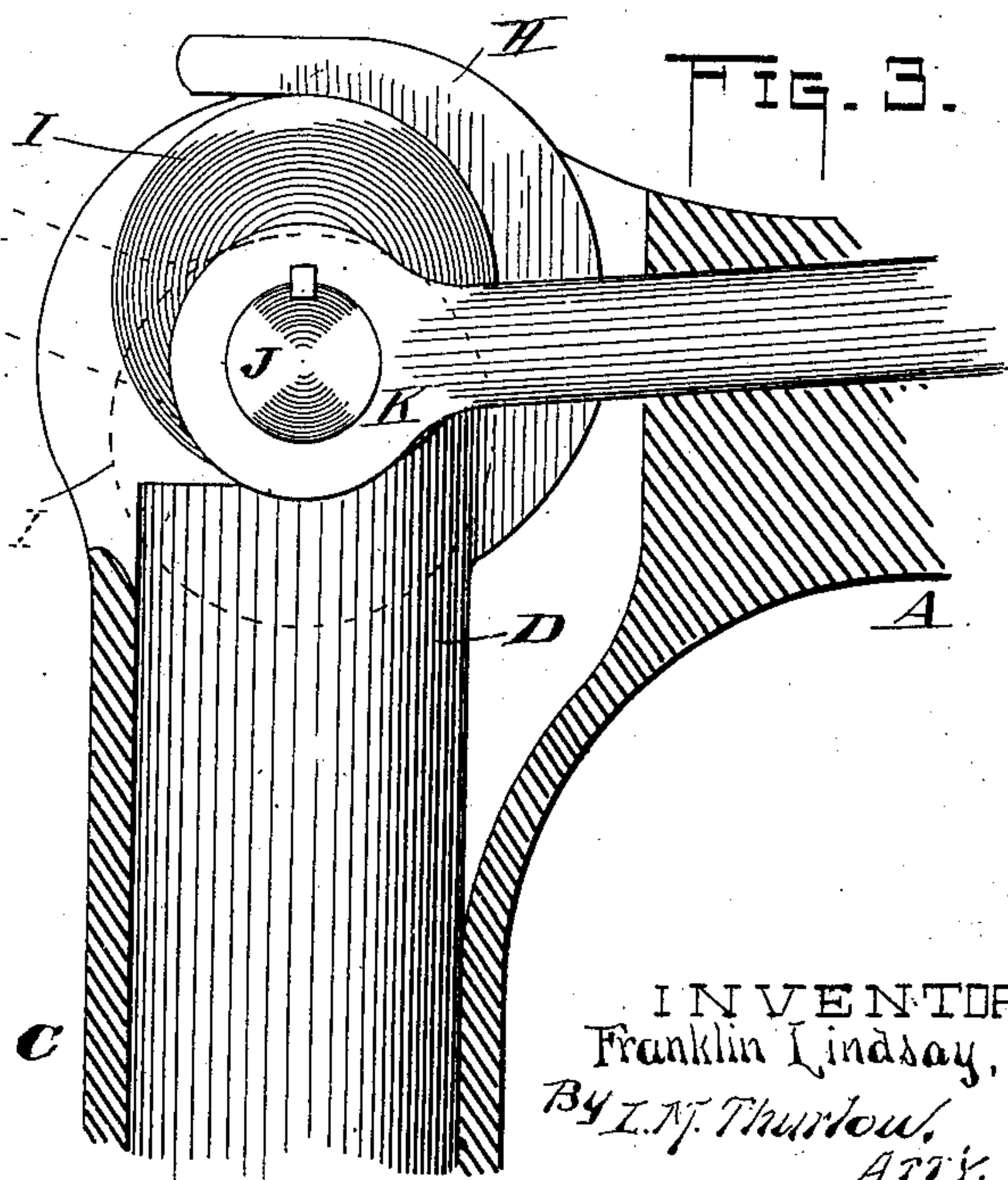


FIG. 3.

ATTEST

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UNITED STATES PATENT OFFICE.

FRANKLIN LINDSAY, OF PEORIA, ILLINOIS.

GARMENT-PRESSING MACHINE.

SPECIFICATION forming part of Letters Patent No. 753,596, dated March 1, 1904.

Application filed March 7, 1903. Serial No. 146,782. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN LINDSAY, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have
 5 invented certain new and useful Improvements in Garment-Pressing Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-
 10 pertains to make and use the same.

This invention pertains to an improved garment-pressing machine.

The object of the invention is to provide an implement of the character set forth by which
 15 garments of all kinds can be pressed by means of a heated iron under great weight.

A further object is to provide such a machine to be operated by hand-pressure.

In the accompanying drawings, Figure 1 is a
 20 side view of the implement. Fig. 2 is a front view of the same, and Fig. 3 is a sectional elevation of a portion of the head thereof.

In the drawings and specification letters and figures of reference correspond.

25 A indicates a gooseneck-frame suitably mounted on a table, bench, or other firm support. Extending downward and forming part of the head B of said frame A is a boss C, bored out to receive a vertically-movable
 30 plunger D, as shown in Fig. 3, the lower end of such plunger carrying a suitable sad-iron E, heated by means of a Bunsen burner of any approved type. At F is a flexible tube for supplying the burner with gas, and at G
 35 is a cock for regulating the gas-supply. The upper extremity of the plunger D at one side is curved to conform to the shape of the cam and is provided with an arm H, formed in the
 40 arc of a circle for receiving an eccentric or cam I. The latter member is eccentrically mounted on a rock-shaft J, having bearings in the head B, the latter being bifurcated, as indicated in Fig. 2, and bosses b assist in serving as the bearings for said shaft. The cam I
 45 is keyed or otherwise secured to its shaft, and motion is imparted to it by means of a hand-lever K, secured to an extension of the said shaft J outside the head B. The relation of the lever to the cam is such that when the

former is thrown away from the operator or
 50 in the position shown in Figs. 1 and 3 the cam is raised to its highest position, and since it is partially surrounded by the curved arm H, extending over the top thereof, the plunger will be raised to the highest position as well.
 55 It will be noted that the said arm H conforms to the curve of the cam and that it and the top of the plunger inclose about one-half of the peripheral surface of the cam and that any slight movement of said cam will be trans-
 60 mitted to the plunger. The head B is recessed to admit the plunger and the arm H, as shown in Fig. 3 and in broken lines in Fig. 2. Beneath the plunger and its iron is a table
 65 for receiving the pressure from above. This consists of a dovetailed block L, bolted to the base of the frame, and upon this is a removable block M, having guides N beneath for engaging the said block L. By these means
 70 tables of varying sizes may be adjusted on the block L, so that garments of all sizes and forms can be conveniently handled. This construction also affords the additional advantage
 75 of placing blocks of greater or less thickness beneath the iron E for varying thicknesses of goods to be pressed, and, further, that by having thicker blocks the movement of the lever may be lessened, since the iron will not have
 80 to be lowered as far as when using the block of less thickness.

I desire to make it clearly understood that it is not the intention to confine myself to the particular structure shown, since many changes may be made that will still come
 85 within the scope of my invention.

The operation of the machine is quite simple. The iron E being heated by its burner to the proper degree and then kept at that heat is always ready for use. The garment
 90 to be pressed is placed upon the table M, with the usual dampening-cloth covering it. Then the hand-lever K is grasped by the operator and pulled down. This movement, as already
 95 intimated, causes the cam to start the descent of the plunger and carries the hot iron down upon the garment and by the leverage attainable the iron can be made to press said garment at a pressure of several hundred pounds,

and this pressure may be held as long as desired, it being understood, however, that a great pressure thus had obviates the necessity of long and continued pressing, as with the
5 older methods of pressing by hand with flat-irons.

The machine can turn out large quantities of work in a very short time, and several such machines utilized in a large factory will turn
10 out all the garments manufactured in such establishments in an incredibly short time.

My device is more particularly adapted for use in pressing the edges, pockets, seams, and flat portions of outer clothing; but gar-
15 ments of all kinds may also be handled as well, and the machine may be operated by foot-power or mechanical power as well as by hand.

In bringing out my invention I desire to
20 make it known that I am aware that garment-pressing devices have been constructed heretofore, but they are entirely different from mine, both in the matter of construction and operation, and it is my desire to furnish a
25 simple, durable, and compact machine which can be operated by hand-power.

I claim—

1. A hand-operated garment-pressing machine comprising an upwardly - extending
30 overhanging arm bifurcated at its extremity, a rock-shaft carried in said extremity, an eccentric affixed to the shaft, a plunger beneath the eccentric and contacting with the same at all times, means on the plunger partially sur-
35 rounding the eccentric for carrying the plunger by means of the said eccentric, a hand-lever on the rock-shaft for moving the eccentric for imparting an up-and-down movement to the plunger, a sad-iron on the latter mem-
40 ber and a table beneath the same for receiving pressure therefrom substantially as set forth.

2. A hand-operated garment-pressing machine comprising an overhanging arm for carrying the operating portions, a rock-shaft carried in said arm, an eccentric affixed to the
45 shaft, a lever for operating the shaft and eccentric, a plunger beneath the eccentric, a guide for the plunger, an arm on the latter for partially encircling the eccentric adapted for
50 raising the plunger by means of the eccentric within it, a sad-iron on the lower end of the

plunger and a table beneath the iron for receiving pressure from the iron as set forth.

3. An implement of the character described comprising a gooseneck-arm, its lower end
55 forming the base of the machine, its upper end carrying the operating mechanism substantially as shown, the hollow head thereof, a vertically-movable plunger therein, a cam for raising and lowering said plunger, there being
60 a curved arm formed with the top of the plunger to partially inclose the cam for the purposes described, a hand-lever for operating the said cam, and a sad-iron carried by the lower
65 end of the plunger all arranged as shown.

4. An implement of the character described comprising the gooseneck-arm A, its lower end comprising the base of the machine for receiving pressure, its upper end carrying the operating mechanism, the hollow head B thereof,
70 the cam I within the head, the plunger D beneath the cam and adapted for vertical movement, said plunger being formed at its top to conform to the curve of the cam above it, the
75 arm H on the top of said plunger and curved over the cam substantially as shown to inclose the said cam, the cam being provided with a shaft having its bearing in the head B, the hand-lever K for turning the shaft and cam,
80 the said iron E on the lower end of the plunger, the dovetailed block L secured to the base of the arm A beneath the sad-iron, and the removable block M on the block L said block M being provided with guides all arranged
85 substantially as and for the purposes set forth.

5. In an implement of the character described, the frame A having the head B provided with the hollow boss C, the plunger D guided within the latter, the iron E carried on the lower end of the plunger, the shaft J,
90 the cam I carried thereon, the arm H of the plunger partially surrounding the cam, the hand-lever K for operating the shaft and cam and the table M beneath the iron E for receiving pressure from the latter as set forth.
95

In testimony whereof I affix my signature in presence of two witnesses.

FRANKLIN LINDSAY.

Witnesses:

E. J. ABERSOL,
L. M. THURLOW.