

(No Model.)

F. CORBETT.
HAND IRONING MACHINE.

No. 359,774.

Patented Mar. 22, 1887.

Fig. 2.

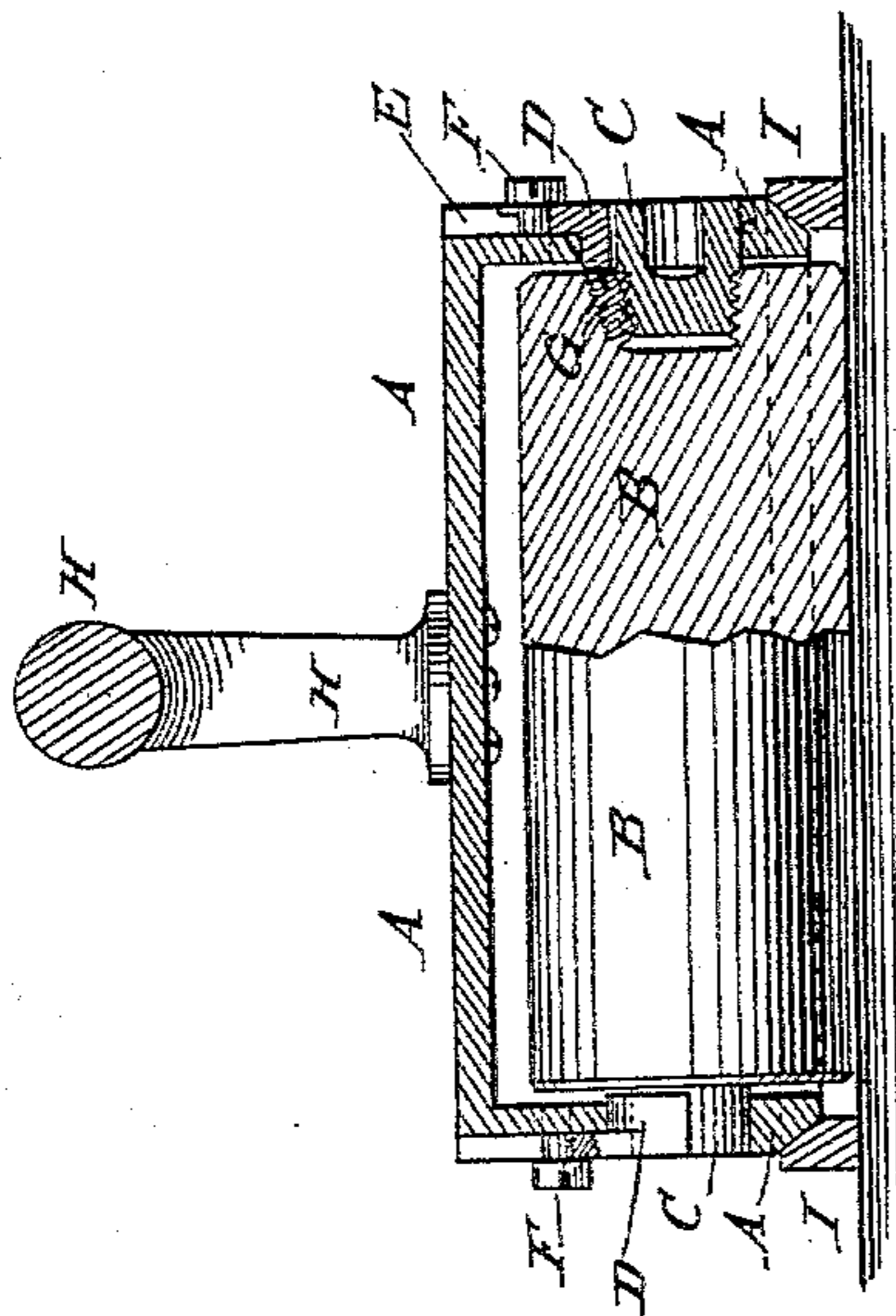


Fig. 1.

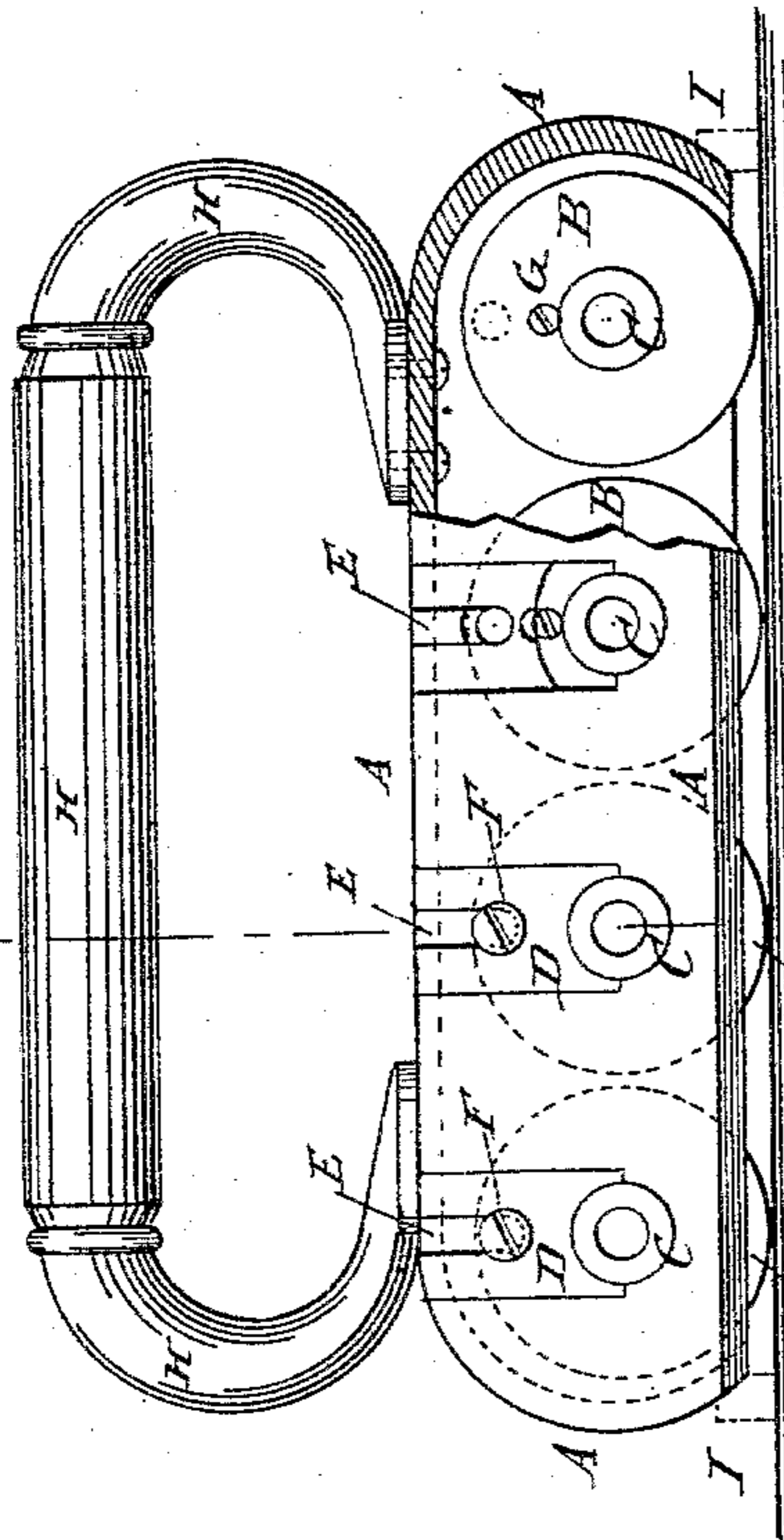


Fig. 3.

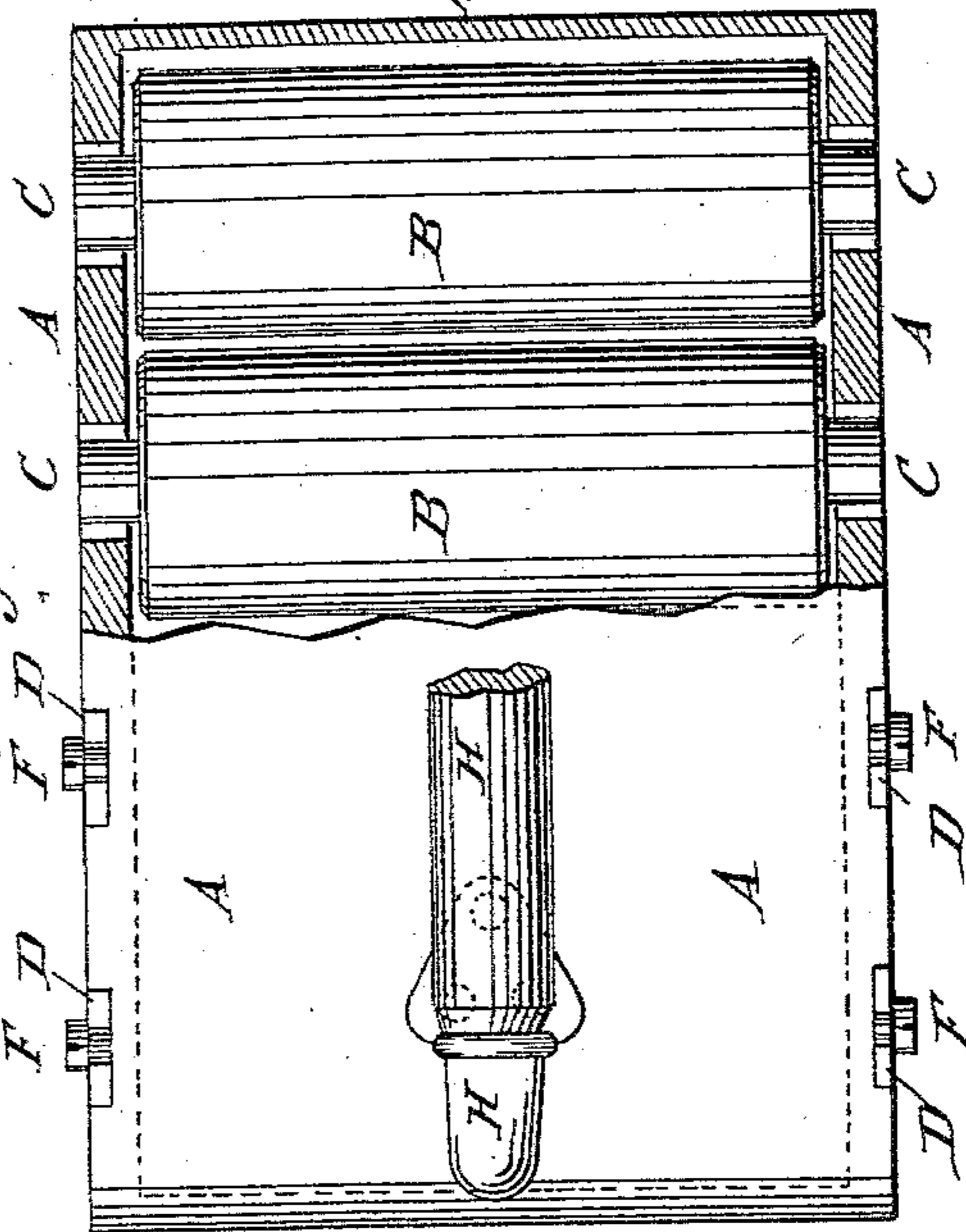


Fig. 7.

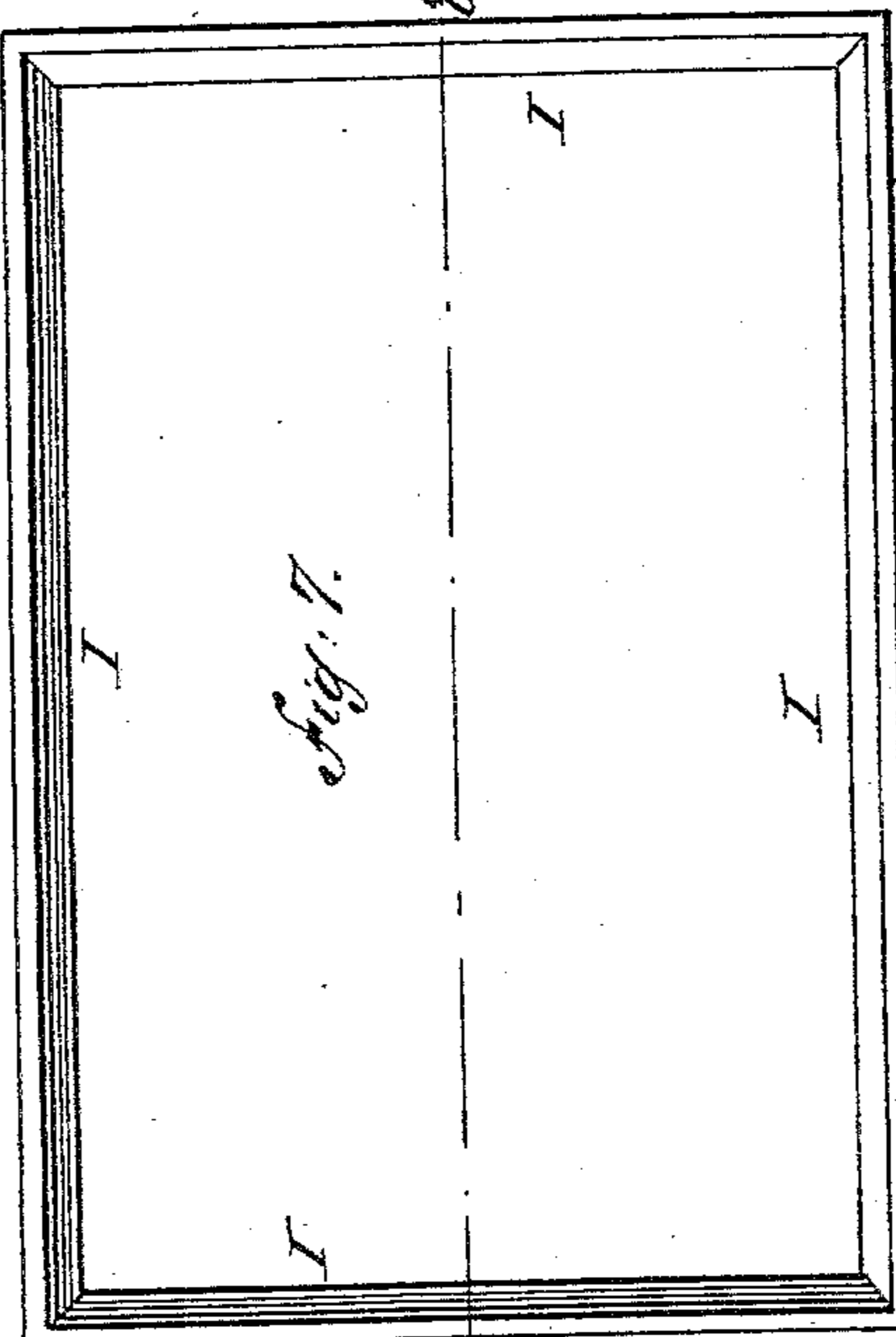
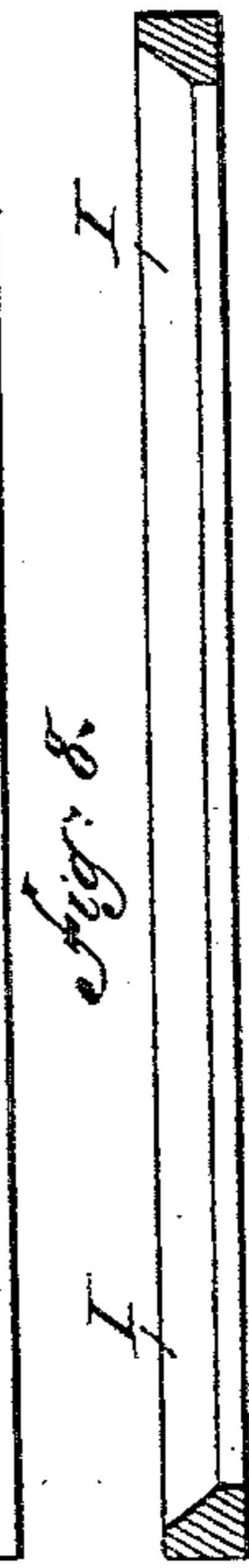


Fig. 8.



WITNESSES:

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C. Sedgwick

Fig. 4. Fig. 5.

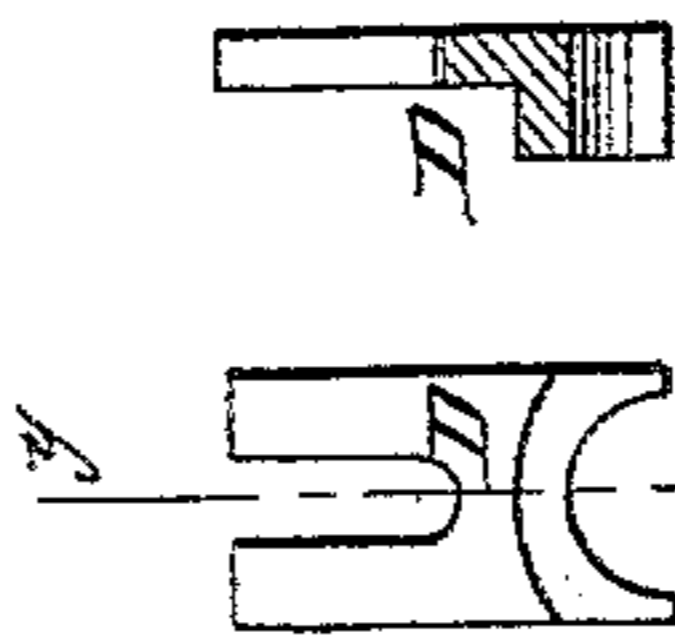


Fig. 6.



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HAND IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 359,774, dated March 22, 1887.

Application filed January 30, 1886. Serial No. 190,309. (No model.)

To all whom it may concern:

Be it known that I, FRANK CORBETT, of the city, county, and State of New York, have invented a new and useful Improvement in
5 Hand Ironing-Machines, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate
10 corresponding parts in all the figures.

Figure 1 is a side elevation, partly in section, of one of my improved hand-ironing machines. Fig. 2 is a sectional end elevation of the same, part being broken away. Fig. 3 is a
15 plan view of the same, partly in section. Fig. 4 is an elevation of one of the sliding half-bearings, showing the inner side. Fig. 5 is a sectional side elevation of the same, taken through the line *y y*, Fig. 4. Fig. 6 is a plan
20 view of the same. Fig. 7 is a plan view of a frame for supporting the ironing-machine while heated. Fig. 8 is a sectional side elevation of the same, taken through the line *z z*, Fig. 7.

25 The object of this invention is to provide hand ironing-machines constructed in such a manner as to give a smooth surface to the ironed goods, and which shall be simple in construction, convenient in use, and readily
30 adjusted to take up the wear.

The invention consists in the construction and combination of various parts of the hand ironing-machine, as will be hereinafter fully described, and pointed out in the claims.

35 A represents the case of the machine, which is made with a flat top, vertical sides, and rounded ends, as shown in Figs. 1, 2, and 3.

Within the case A are placed four rollers, B, of such a diameter that their lower sides
40 will project a little below the lower edges of the sides and ends of the said case A, while narrow spaces will be left between the rollers and between the top and ends of the case and the rollers, as shown in Figs. 1, 2, and 3, to
45 allow the heat to circulate freely around the said rollers and thus heat them evenly.

In the ends of the rollers B are formed screw-holes, into which are screwed screw-threaded journals C. The journals C pass
50 through openings in the sides of the case A and

rest in recesses in the bottoms of the said openings, which recesses form the lower half-bearings of the said journals.

The upper parts of the openings in the sides of the case A are made wider and higher than the
55 journals C, and into them are fitted the upper half-bearings, D, of the said journals. The half-bearings D have shanks upon the outer parts of their upper sides of about half the thickness of the sides of the case A, which fit into
60 grooves in the outer surface of the said sides, and are slotted vertically from their upper ends to receive the ribs E, formed upon the said sides of the case, and to receive the screws
65 F, that fasten the said half-bearings to the said case. The lower corners of the ribs E are rabbeted to allow the heads of the screws F to firmly grasp the shanks of the half-bearings
D. With this construction, when the journals C become loose from wear, the half-bearings D can be detached and the points of their
70 lower ends ground off, so that they can be moved downward to take up the wear.

The journals C are secured from working loose in the ends of the rollers B by small
75 screws G, screwed into screw-holes formed partly in the said journals and partly in the said rollers. The outer parts of the journals C are perforated longitudinally to allow air to enter and prevent the said journals from be-
80 coming unduly heated.

To the top of the case A are secured by rivets, screws, or bolts the ends of the handle H, by means of which the ironing-machine is carried and operated.
85

The lower edges of the sides of the case A are beveled, as shown in Fig. 2.

When the ironing-machine is to be heated, it is placed upon the edge of the frame I, open at top and bottom, and which is placed upon
90 the top of a stove, range, or furnace. One edge of the sides and ends of the frame I is beveled to fit upon the beveled lower edge of the case A, and the other edge is made square. The frame I is made of such a height
95 that when the beveled edge of the case A rests upon the beveled edge of the said frame I the lower sides of the rollers B will be in contact with the top of the stove, range, or furnace, and when the frame I is inverted and the lower
100

edge of the case A is placed upon the square edge of the said frame the lower sides of the rollers B will be out of contact with the said top of the stove, range, or furnace. With this construction, the frame I will confine the heat as it rises from the top of the stove, range, or furnace, and cause it to pass up around the rollers B, so as to heat the said rollers evenly and quickly.

10 The case A can be made in one piece, or it can be made in two or more pieces secured to each by bolts, screws, or rivets.

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

15 1. In a hand ironing-machine, the combination, with the closed casing A, of the inclosed rollers B and their journals C, projecting through the sides of the casing and recessed in their outer ends, substantially as and for the purpose set forth.

2. In a hand ironing-machine, the combination, with the casing, of the rollers B, journaled therein, their detachable journals C, and the screws G, for holding said journals in place, substantially as herein shown and described.

3. In a hand ironing-machine, the combination, with the case A, having side perforations, and the rollers B, having end screw-holes and provided with screw-threaded journals C, having perforated outer ends, of the upper half-bearings having slotted shanks, and the screws F, fastening the said half-bearings to the sides of the said case, substantially as herein shown and described, whereby the wear can be readily taken up, as set forth. 35

4. In a hand ironing-machine, the combination, with the rollers B, having end screw-holes, and the screw-threaded journals C, screwed into the said screw-holes, of the screws G, screwed into screw-holes formed partly in the said rollers and partly in the said journals, substantially as herein shown and described, whereby the said journals will be held securely in place and can be readily detached when warm, as set forth. 45

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Witnesses:

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