

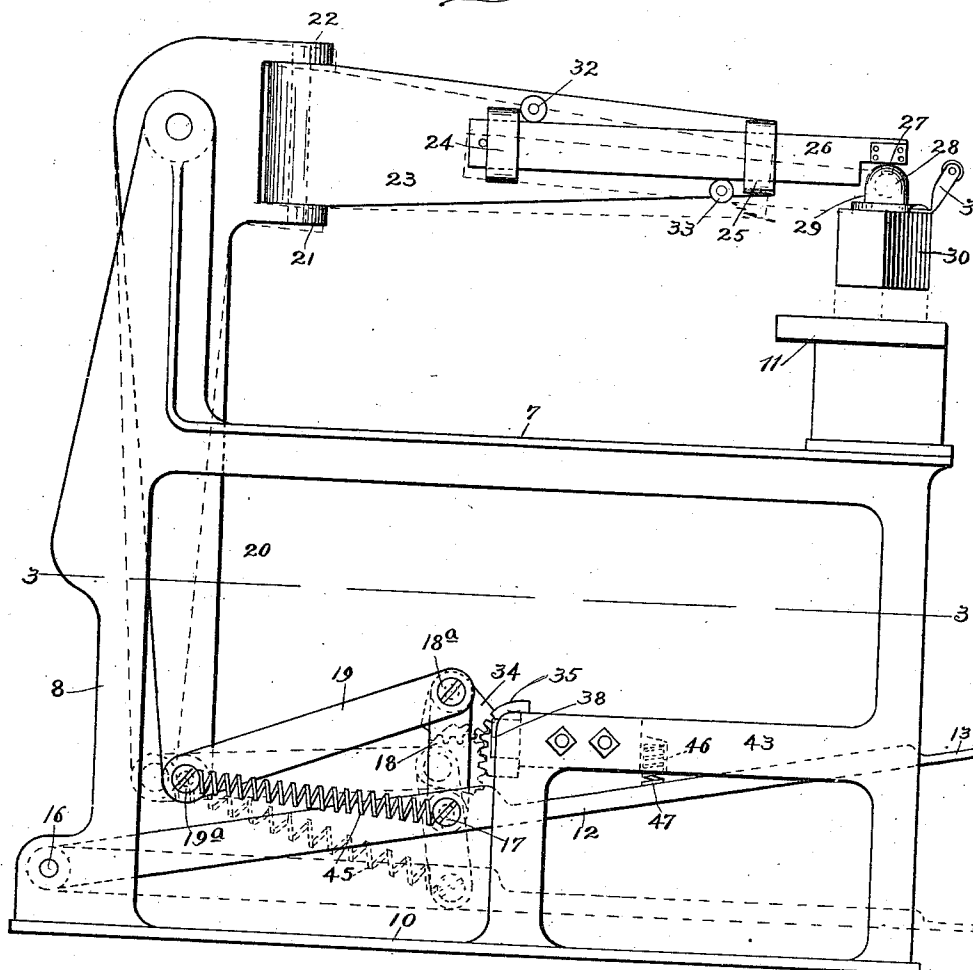
H. LINDESTROM.
PRESSING MACHINE.
APPLICATION FILED FEB. 28, 1910.

976,384.

Patented Nov. 22, 1910.

2 SHEETS-SHEET 1.

Fig. 1.



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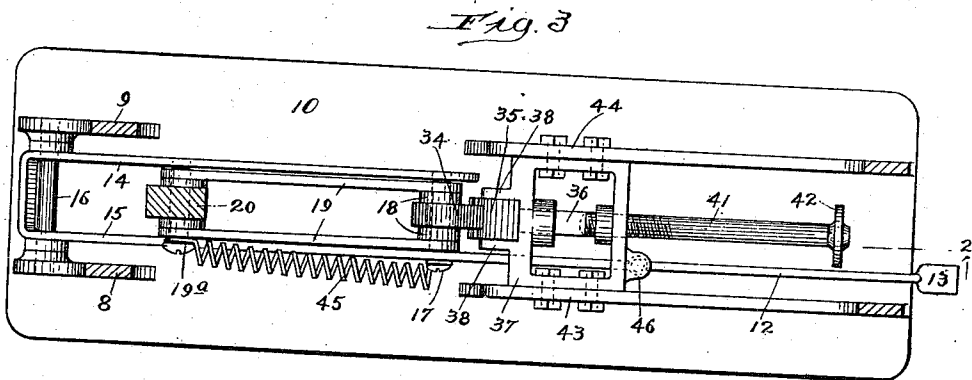
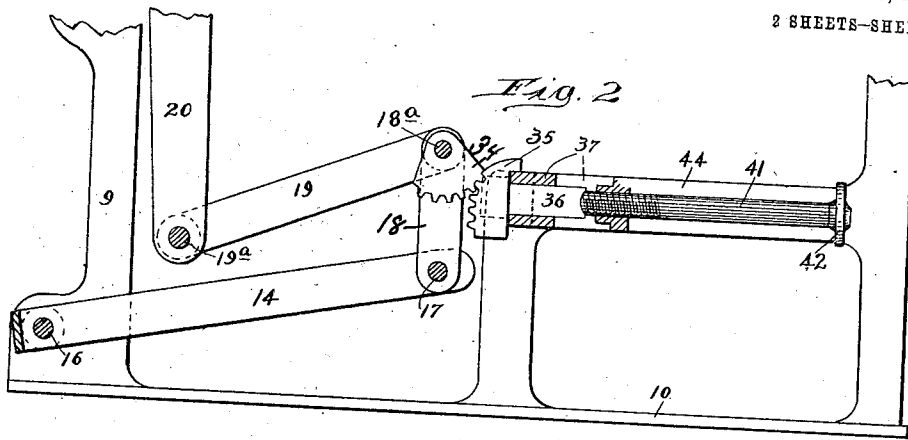
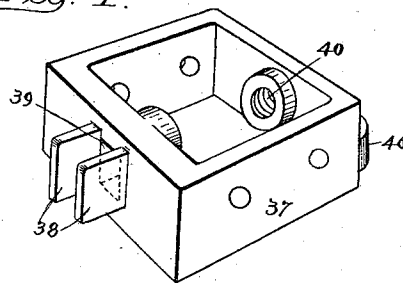


Fig. 4.



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UNITED STATES PATENT OFFICE.

HJALMAR LINDESTROM, OF CHICAGO, ILLINOIS.

PRESSING-MACHINE.

976,384.

Specification of Letters Patent.

Patented Nov. 22, 1910.

Application filed February 28, 1910. Serial No. 546,551.

To all whom it may concern:

Be it known that I, HJALMAR LINDESTROM, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pressing-Machines, of which the following is a specification.

This invention relates to certain new and useful improvements in cloth or garment pressing machines, the objects thereof being to provide a strong, durable and efficient construction wherein the moving parts are subjected to a minimum amount of wear and to provide simple and effective means for the adjustment of the iron-carrying support with respect to the ironing board or block, to the end that proper pressure may be applied to the cloth or garment by the iron and so that the latter may be swung from over the board to permit the cloth or garment being properly placed thereon.

With the above objects as well as others in view, this invention consists in the novel construction, arrangement and combination of the several parts, as will be hereinafter more fully set forth and specifically claimed.

In the accompanying drawings which serve to illustrate the invention—Figure 1, is a view in side elevation of a pressing machine embodying the invention showing the parts in position ready for use; Fig. 2, is a view partly in section and partly in elevation of the lower portion of the frame of the machine taken on line —2— of Fig. 3, looking in the direction indicated by the arrow, showing a part of the operating or foot-lever, the connections uniting it and the upright member or lever used for supporting the iron-carrying arm and the means for adjusting the movement of the upright member or lever so as to regulate the pressure of the iron on the cloth or garment; Fig. 3, is a plan sectional view taken on line 3—3 of Fig. 1; and Fig. 4, is a detached perspective view of the frame which carries the adjusting members for regulating the movement of the upright member or lever and through it the pressure of the iron.

Like numerals of reference, refer to corresponding parts throughout the different views of the drawings.

The reference numeral 7, designates the supporting frame as a whole which in the present instance is shown as consisting of two upright frame-like side pieces 8, and 9,

which are placed side by side in parallelism with one another, but at a sufficient distance apart to encompass the lower movable parts of the device, and are preferably formed integral with the base 10 from which they are extended upwardly. The front portion of the frame 7, has mounted thereon a pressing board or block 11, which may be of the ordinary or any preferred construction. Fulcrumed at one of its ends to the lower portion of the rear part of the frame 7, and preferably between the side pieces 8, and 9, thereof, is an operating or foot-lever 12, which is extended beyond the front end of the frame and may be provided at said end with a rest 13, for the foot of the operator. As shown in Fig. 3, the lever 12, is bent approximately back upon itself at its rear portion, thus forming an elongated U-shaped portion consisting of the members 14, and 15, through which the fulcrum 16, is extended near their juncture. The front end of the member 14, of the foot-lever, is connected to the member 15, or main portion of said lever by means of a bolt 17, on which are pivotally secured at one of their ends a pair of links 18, which are pivotally connected at their other ends by means of a bolt 18^a, to one end of a pair of links 19, which are connected at their other ends by means of a bolt 19^a, to the lower end or portion of the upright member or lever 20, which is fulcrumed at its upper end to the upper portion of the rear parts of the side pieces 8, and 9, of the frame and between the same. The upright member or lever 20, has at its upper portion two forwardly extended lugs 21, and 22, between which is pivotally secured for horizontal movement, the iron-carrying arm 23, which is provided on one of its sides with straps or clips 24, and 25, to form keepers or guides for the adjustable bar 26, on the front end of which is a pendant 27, having on its lower portion a ball or spherical enlargement 28, to fit within the correspondingly shaped cavity of a socket piece 29, which is secured to the upper surface of the iron 30, which iron is preferably of such construction as may be heated by means of gas supplied thereto through a tube (not shown) leading from a supply of gas to a suitable burner within the iron. This iron is provided with an upwardly and laterally extended handle 31, to be used for manually operating the same

for it is apparent that its position may be changed as desired by reason of the joint provided by the ball 28, and socket 29, at the end of the adjustable bar 26, which supports them. The adjustable bar 26, is movably held in position on the arm 23, by means of the straps or clips 24, and 25, and also by means of two rollers 32, and 33, the former of which is journaled on the arm 23, above the bar and near the strap 24, while the other roller 33, is journaled on the arm 23, near the strap 25, and below the adjustable bar.

Mounted on the bolt or shaft 18^a, is a segmental gear 34, which is adapted to mesh with a rack 35, which is carried on the rear end of a plunger 36, which is mounted for longitudinal movement in the rear portion of the frame or bracket 37, which is shown as being rectangular in shape and has on its rear surface a pair of guides or braces 38, between which the rack 35, is located. The plunger 36, on one end of which the rack 35, is mounted, is extended through a suitable opening 39, in the rear portion of the frame 37, between the guides 38, thereon, and has its front end extended to near the screw threaded opening 40, of said frame in which is located an adjusting screw 41, the rear end of which is adapted to contact with the front end of the plunger 36, so that the same may be suitably adjusted. The front end of the screw 41, is preferably provided with a disk 42, by means of which it can be easily turned.

The frame or bracket 37, for the above-named adjusting members, is mounted between two extensions 43, and 44, with which the side pieces 8, and 9, of the main frame are provided, and at a point near the front ends of the links 19, so that the segmental gear 34, may engage the rack 35, in the up and down movement of the foot or operating lever. Connected at one of its ends to the lever 12, and at its other end to the lower portion of the upright member or lever 20, preferably by means of the bolts 17, and 19^a, is a spring 45, which serves the double purpose of raising the front end of the lever 12, to its normal position as well as actuating the lower portion of the upright member or lever 20, forwardly after pressure has been removed therefrom, thus causing the iron to be raised from the cloth on the ironing board or block.

While I have shown two of the links 18, and two of the links 19, connecting the foot-lever and lower portion of the member 20, and prefer to use said number of such links, yet it is evident that only one link of each pair may be employed. It is also obvious that the invention is susceptible of considerable modification without departing from the principle and spirit of the invention, and for this reason I do not wish to be under-

stood as limiting myself to the exact construction herein shown and described in carrying out my invention in practice.

As shown in Figs. 1, and 4, of the drawings, the rear portion of the bracket or frame 37, is provided with a socketed piece or lug 46, in which is located a spring 47, against which the foot-lever 12, will strike when in its upward movement, thus acting as a buffer for the same.

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

1. In a pressing machine, the combination with a supporting frame, of an upright member fulcrumed at its upper portion on said frame, an operating lever fulcrumed at one of its ends near the lower end of the upright, a toggle-joint connected at one of its ends to the lower portion of the upright member and at its other end to the operating lever, a segmental gear mounted on the toggle-joint at the juncture of its links, and a rack adjustably mounted on the frame to engage said gear.

2. In a pressing machine, the combination with a supporting frame, of an upright member fulcrumed at its upper portion on said frame, an operating lever fulcrumed at one of its ends near the lower end of the upright, a toggle-joint connected at one of its ends to the lower portion of the upright member and at its other end to the operating lever, a segmental gear mounted on the toggle-joint at the juncture of its links, a rack adjustably mounted on the supporting-frame to engage said gear, and a spring connecting the lower portion of the upright member to the operating lever.

3. In a pressing machine, the combination with a supporting frame, of an upright member fulcrumed at its upper portion on said frame, an operating lever fulcrumed at one of its ends near the lower end of the upright, a toggle-joint connected at one of its ends to the lower portion of the upright member and at its other end to the operating lever, a segmental gear mounted on the toggle-joint at the juncture of its links, a plunger mounted for longitudinal movement, a rack on one end of said plunger to engage the segmental gear, and an adjusting screw mounted to engage the other end of the plunger for moving the same in one direction.

4. In a pressing machine, the combination with a supporting frame, having at its front lower portion parallel extensions, of an upright member fulcrumed at its upper portion on said frame, an operating lever fulcrumed at one of its ends near the lower end of the upright member, a toggle-joint connected at one of its ends to the lower portion of the upright member and at its other end to the operating lever, a segmental gear carried by the toggle-joint at the juncture of its links,

- a frame or bracket mounted on the said extensions of the frame and having on its rear surface vertically disposed guides and provided between said guides with an opening, 5 a plunger located in said opening, a rack on the rear end of the plunger between said guides, and an adjusting screw located in the front portion of the bracket and adapted to contact with the front end of the plunger.
- 10 5. In a pressing machine, the combination with a supporting frame, of an upright member fulcrumed at its upper portion on said frame, an operating lever fulcrumed at one of its ends near the lower end of the up- right, a toggle-joint connected at one of its 15 ends to the lower portion of the upright member and at its other end to the operating lever, a segmental member mounted on the toggle-joint at the juncture of its links, and a member adjustably mounted on the frame 20 to engage said segmental member.

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