

J. J. GREEN.
IRONING MACHINE.
APPLICATION FILED MAY 12, 1910.

996,404.

Patented June 27, 1911.
3 SHEETS—SHEET 1.

FIG. 1

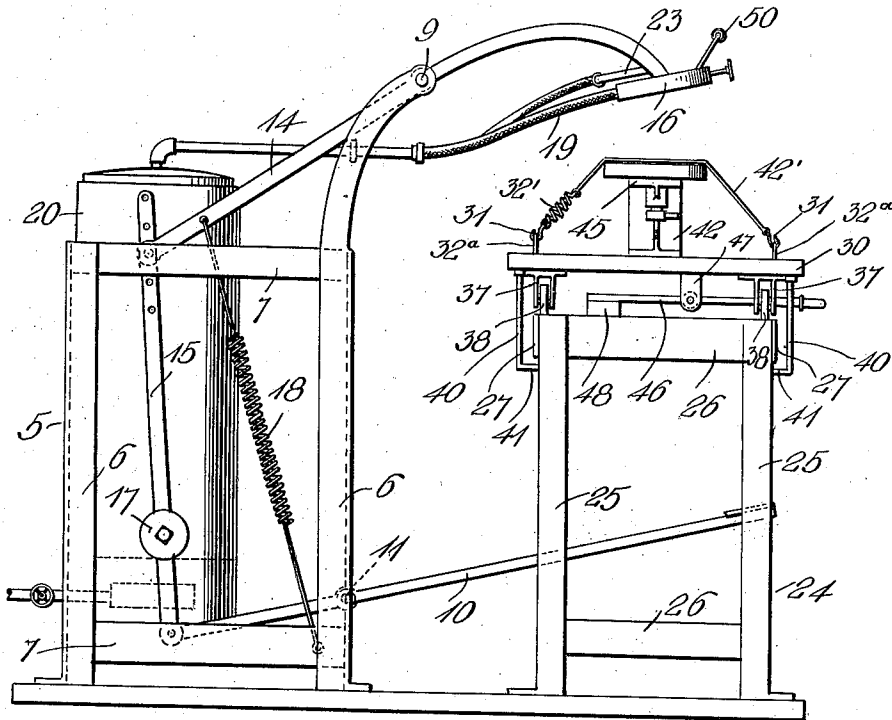
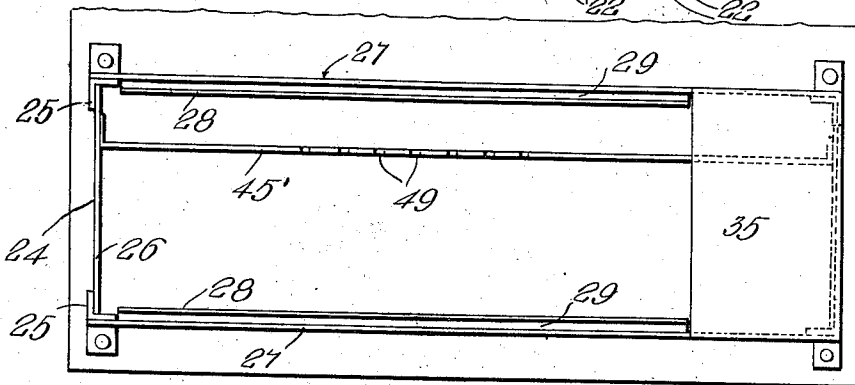
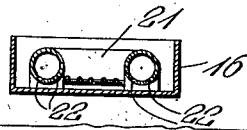


FIG. 5

FIG. 6



Inventor.

J. J. Green

Witnesses

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O. B. Hopkins.

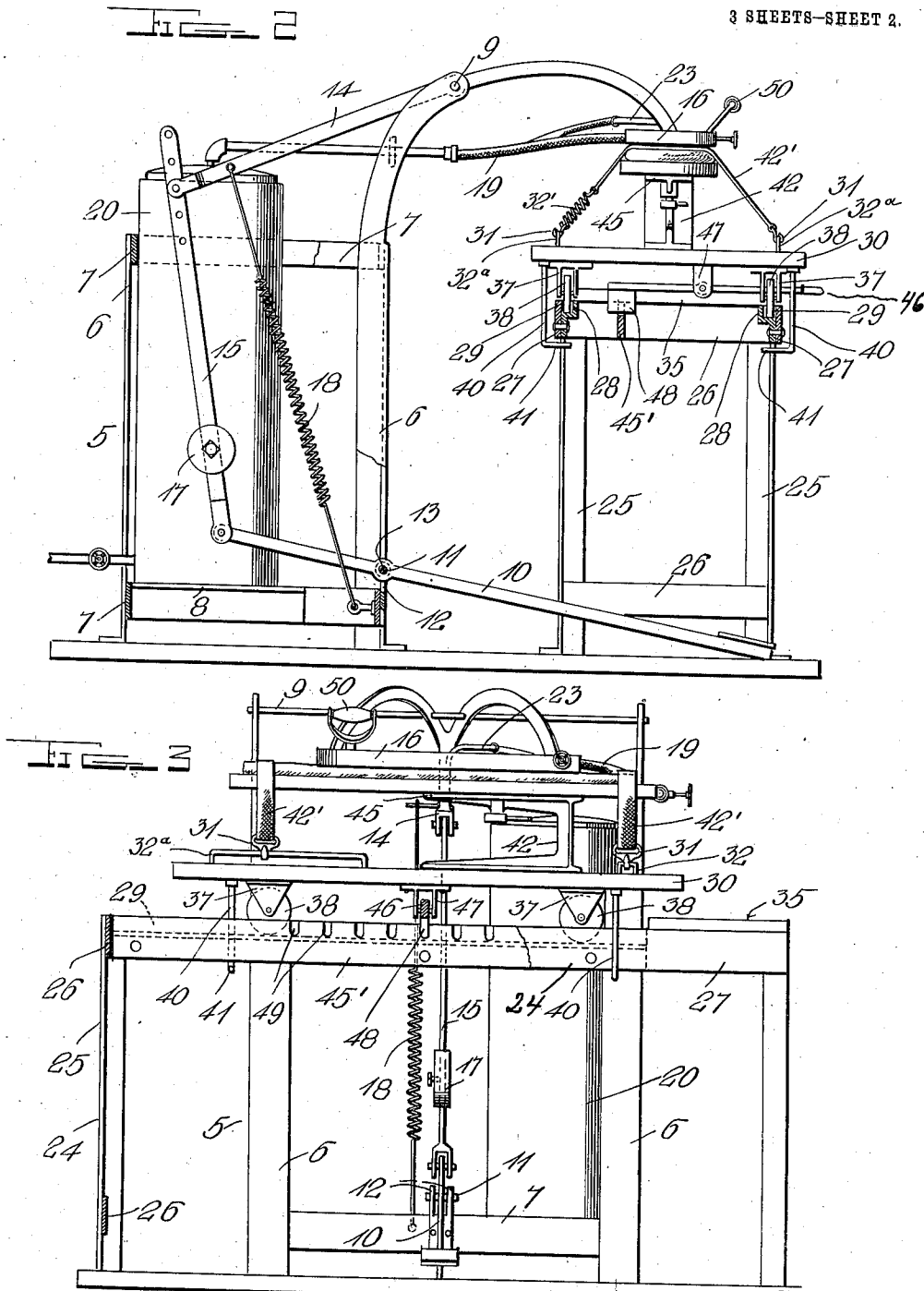
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3 SHEETS-SHEET 2.



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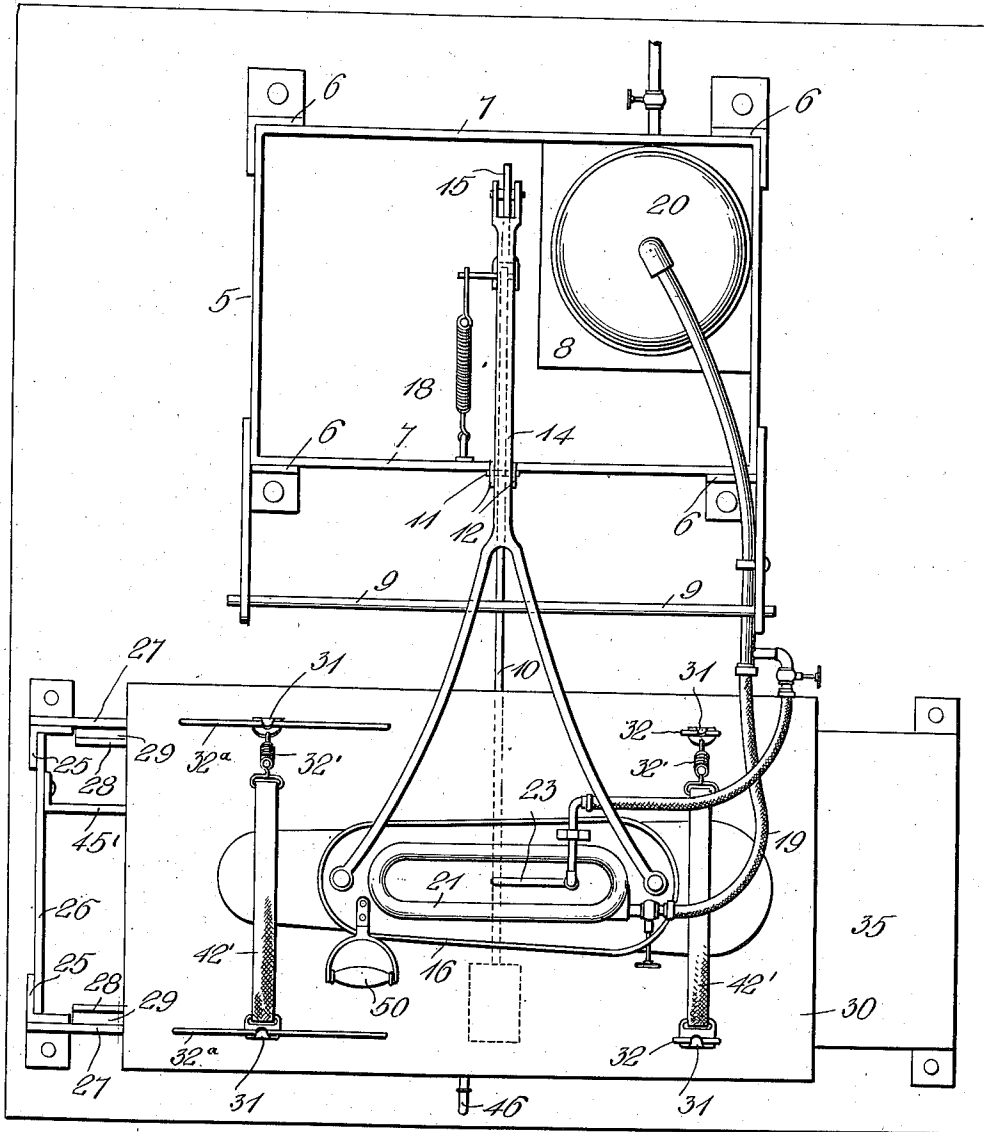
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3 SHEETS—SHEET 3.

Fig. 4



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UNITED STATES PATENT OFFICE.

JAMES J. GREEN, OF HOUSTON, TEXAS.

IRONING-MACHINE.

996,404.

Specification of Letters Patent. Patented June 27, 1911.

Application filed May 12, 1910. Serial No. 560,960.

To all whom it may concern:

Be it known that I, JAMES J. GREEN, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Ironing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to ironing machines and has for its object to provide a machine of this character in which both the iron and the ironing board may be readily moved to iron or press garments, fabrics and other material.

Another object of my invention is to provide a machine of this character in which the ironing board is detachably secured to a table and in which means are provided for readily adjusting the ironing board relatively to the iron.

With the foregoing and other objects in view, the invention consists of certain novel features of construction and arrangement of parts as will be more fully described and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a machine constructed in accordance with my invention. Fig. 2 is a similar view partly in section showing the iron in operative position. Fig. 3 is a front elevation of the ironing board, the supporting frame therefor being shown partly in section. Fig. 4 is a top plan view of the machine. Fig. 5 is a plan view of the supporting frame for the table top. Fig. 6 is a detail sectional view of the pressing iron.

In the particular embodiment of my invention I employ an iron supporting frame 5, preferably comprising legs or standards 6 connected by cross braces 7, and having a bracket 8 secured adjacent one corner to support a steam boiler or like heat producing means. The front legs 6 are extended upwardly and forwardly and are provided with suitable apertures in which are journaled the ends of a supporting shaft 9. A foot lever 10 is loosely pivoted upon a short shaft 11 secured between suitable lugs 12 extending upwardly from one of the cross braces 7, between the front legs 6 of the frame, said lever having an aperture 13 to receive the shafts. Adjacent its rear ex-

tremity the foot lever 10 is connected with the rear extremity of the supporting arm 14 by means of an adjustable link 15. The supporting arm 14 is preferably loosely pivoted upon the supporting shaft 9 and is bifurcated at its forward end and secured to the opposite ends of the iron 16. A weight 17 is preferably attached to the link 15 to maintain the iron in its uppermost position, while a spring 18 is interposed between the supporting arm 14 and the frame for the same purpose.

The iron 16 is of the usual or any desired shape and size and is preferably formed hollow and is connected through suitable conducting means with the steam boiler or like heat producing means supported upon the bracket 8. In the illustrated embodiment of my invention I have shown a steam pipe 19 leading from the steam boiler 20 and coiled, as at 21, within the iron 16. A series of spaced openings 22 is provided on opposite sides of the coiled portion 21 of the pipe to allow the steam to contact with the inner surface of the base of the iron. A smaller pipe 23 projecting from the pipe 19 and extending to any desired point within the iron is also provided to permit a local application of the heat to the desired point.

The ironing board is adapted to be supported upon a rectangular frame 24, preferably comprising legs 25 suitably braced by cross bars 26 and provided with longitudinal side members 27 each having secured thereto a bar having an inwardly extending flange 28 thus forming a longitudinal groove 29. A short cover 35 is secured at one end of the table frame 24.

The table top 30 is preferably movably mounted on the table frame and, as herein shown, is provided with brackets 37 extending therefrom adjacent their extremities in which are mounted anti-friction rollers 38. The rollers 38 are adapted to travel within the longitudinal grooves 29 to permit of the ready movement of the table top. Secured to the under side of the table top 30, adjacent each corner thereof, are guide brackets having a depending portion 40 and an inturned arm or hook 41 adapted to extend beneath the sides of the frame to prevent upward movement of the table top.

The usual U-shaped support or bracket 42, open at one side, is secured to the table top, the uppermost arm 45 thereof being provided with suitable means for securing in

position an ironing board of any desired shape or size.

Adjacent the ends of the top 30 are suitably secured retaining clamps 42', by means of which the fabric to be pressed is held to the ironing board. As herein shown, these clamps are composed of a central cloth portion adapted to lie upon the upper surface of the fabric to be pressed and to be pressed therewith, said cloth portion having at its opposite ends detachable means, as the hooks 31, for securing the clamp to the staples 32 and 32^a secured to the table top. A spring 32' may be interposed between one end of the clamp and its end securing means. To enable these clamps to be used in ironing boards of varying shapes and sizes, one of these clamps is arranged so that it may be secured at any point upon the elongated staples 32^a, as clearly shown in Fig. 4.

Suitably secured to the cross bars 26 and extending longitudinally of the frame 24 is a ratchet bar 45'. A hand lever 46 is fulcrumed in a suitable bracket 47 on the under side of the table top and is provided with a pawl 48 adapted to engage the notches 49 of the ratchet bar 45.

In operation, a skirt or like garment to be pressed is placed upon the ironing board and is secured thereon by means of retaining clamps 42', the cloth portions of said clamps, lying flat upon the upper surface of the garment to be pressed therewith. The steam or other suitable heating medium, is then applied to the interior of the iron and the iron depressed by means of the foot lever 10 into contact with the garment to be pressed. The iron may be moved over said garment or the ironing board may be laterally moved to present a new portion of the garment to the pressing iron by raising the pawl 48 of the hand lever 46 from the ratchet bar 45' and moving the table top upon the frame the wheels 38 running within longitudinal grooves 29 of the table frame.

Owing to the fact that the foot lever 10 is loosely pivoted upon the short shaft 11 and the supporting frame 14 is also loosely mounted upon the shaft 9, the pressing iron carried by said arm will be readily movable for some distance in any direction, the area covered by the movement of said iron being

sufficient to allow a considerable portion of the garment to be pressed.

A suitably insulated handle 50 may be attached to the iron for moving it in any direction as desired.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined in the appended claims.

What I claim is:

1. In a machine of the character described, the combination with a movably supported iron and actuating means therefor, of an ironing board, a support for said board, a main frame, tracks secured to opposite sides of said frame, wheels carried by the board support to run on said tracks, a notched bar in said frame, a hand lever mounted beneath the board to engage in said notches and secure the board in its adjusted position, and means for securing an article to be ironed upon said board.

2. In a machine of the character described, the combination with a movably supported iron and actuating means therefor, of an ironing board, a support for said board, a main frame, tracks secured to opposite sides of said frame, wheels carried by said board support to run on said tracks, means for locking the board in its adjusted position, depending guide members carried by said board support extending under the opposite side bars of the frame, and resilient clamping members permanently attached to said board at one of their ends and detachably secured thereto at their other ends for securing an article to be ironed upon said board.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES J. GREEN.

Witnesses:

F. L. LIGHTS,

WM. McKERSON, Jr.