

(No Model.)

2 Sheets—Sheet 1.

J. J. DALEY.
IRONING MACHINE.

No. 420,774.

Patented Feb. 4, 1890.

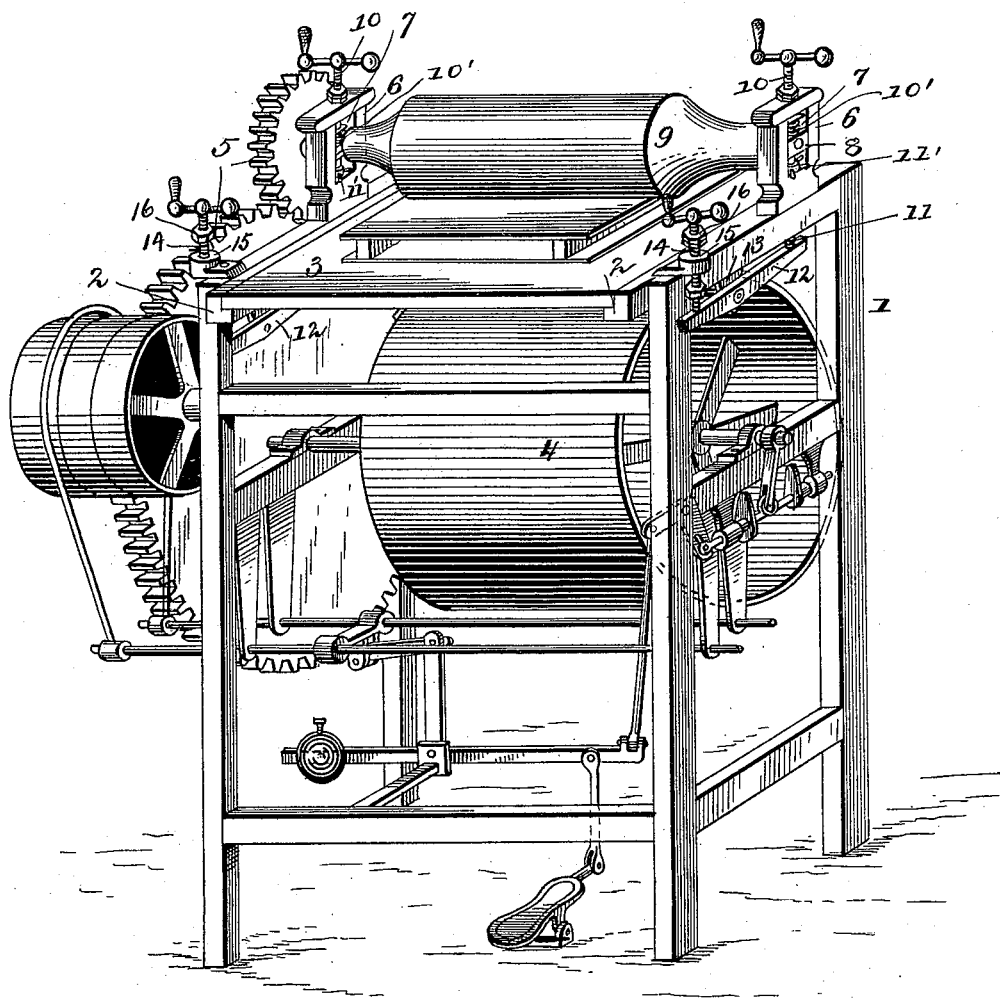


Fig. 1.

WITNESSES:

F. L. Oyrand
Conrad Jones

INVENTOR:

John J. Daley
Sam Dugger & Co
Attorneys

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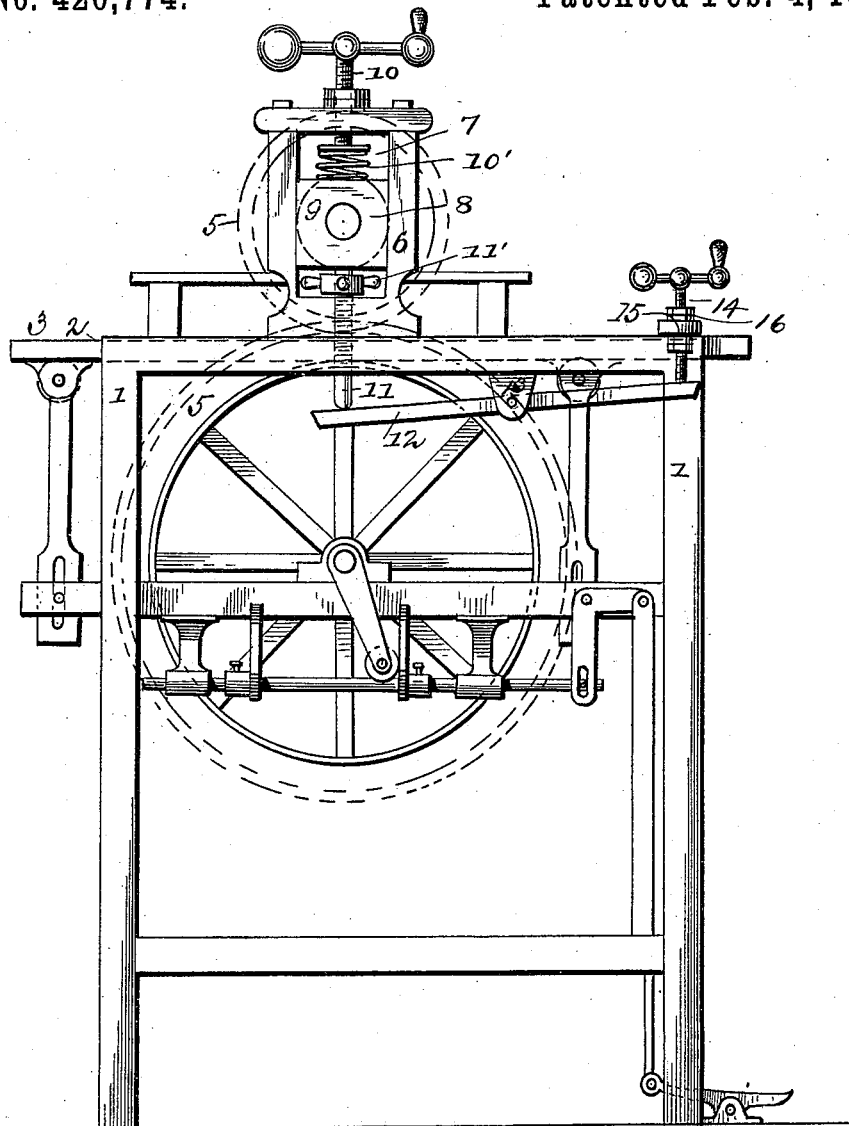


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN J. DALEY, OF BROOKLYN, NEW YORK.

IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 420,774, dated February 4, 1890.

Application filed October 1, 1889. Serial No. 325,677. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. DALEY, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Ironing-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 appertains to make and use the same.

My invention relates to improvements in ironing-machines, and has especial reference to a mechanism for adjusting the ironing-roll.

The leading object of the invention is the provision of a simple, durable, and inexpensive mechanism which can be quickly and easily operated to raise the ironing-roll from the table before stopping the machine, thus preventing the burning of the fabrics by contact with the hot ironing-roll when the machine is stopped, and then bringing it back to exactly the same place when the machine is started again, thus having the same pressure as before the ironing-roll was raised, and needing no other adjustment whatever.

To attain the desired object, the invention consists in the improved construction and combination of parts, as hereinafter more fully set forth, and pointed out in the claims.

Figure 1 represents a perspective view of an ironing-machine having my improvements, and Fig. 2 represents a side elevation thereof on an enlarged scale.

Referring to the drawings by numerals, the numeral 1 designates the frame of the machine; 2, the guides or cleats for the traveling table; 3, said traveling table; 4, the roll for moving said table, and 5 the system or train of gearing for imparting motion to the table and ironing-roll.

Rising from the frame 1 on each side are standards or uprights 6, having slots or openings 7 therein, in which the boxes 8 for the journals of the ironing-roll 9 are arranged. In order to adjust the boxes 8, and consequently the ironing-roll, I employ screws 10, which pass through the tops of the standards and press on the springs 10', which bear on the upper faces of the boxes, pins 11 passing through the frame and the bottom of the standard and bearing at the upper ends against

the lower faces of the boxes, and levers 12, fulcrumed to lugs 13, having their inner ends bearing against the lower ends of the pins 11, and at the outer ends of said levers bear the adjusting-screws 14, arranged in lugs 15, and on said screws are stop-nuts 16, for limiting the adjustment of the said adjusting-screws. The pins 11 are threaded at their upper ends, and on said threaded ends are handled nuts 11', for adjusting the pins and retaining the same.

From the construction it will be seen that the ironing-roll is capable of a very accurate and perfect adjustment in its sliding bearings by simply operating the adjusting-screws, and it is evident that the means I employ to effect the desired end are of the simplest, cheapest, and most durable construction, and may be easily applied and operated.

The advantages of my improvements will be readily understood by all skilled in the art, and hence need no further comment herein.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In an ironing-machine, the combination of an ironing-roll mounted in suitable bearings, screws arranged above said bearings, springs abutting against the screws and disposed between the same and the bearings of the roll, screw-threaded pins having their upper ends contacting with the under side of the bearings of the roll and provided with hand-nuts, and horizontally-pivoted levers having their inner ends acting against the lower ends of the pins, substantially as set forth.

2. In an ironing-machine, the combination of an ironing-roll mounted in suitable bearings, screws arranged above said bearings, springs abutting against the screws and disposed between the same and the bearings of the roll, screw-threaded pins having their upper ends contacting with the under side of the bearings of said roll and provided with hand-nuts, horizontally-pivoted levers having their inner ends bearing against the lower ends of the pins, and vertically-adjustable screws having their lower ends acting against and operating the outer ends of the horizontally-pivoted levers, substantially as set forth.

3. In an ironing-machine, the combination

of the frame, the slotted standards, the sliding boxes in which the ironing-roll bears, screws arranged above said sliding boxes, springs abutting against the screws and disposed between the same and the sliding boxes
5 screw-threaded pins having their upper ends contacting with the under side of the boxes, and provided with hand-nuts, the levers fulcrumed to the frame and having their inner
10 ends bearing on the pins, the screws bearing

on the outer ends of said levers, and the stop-nuts on said screws, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN J. DALEY.

Witnesses:

GEO. J. DALEY,

JOSEPH H. DALEY.