

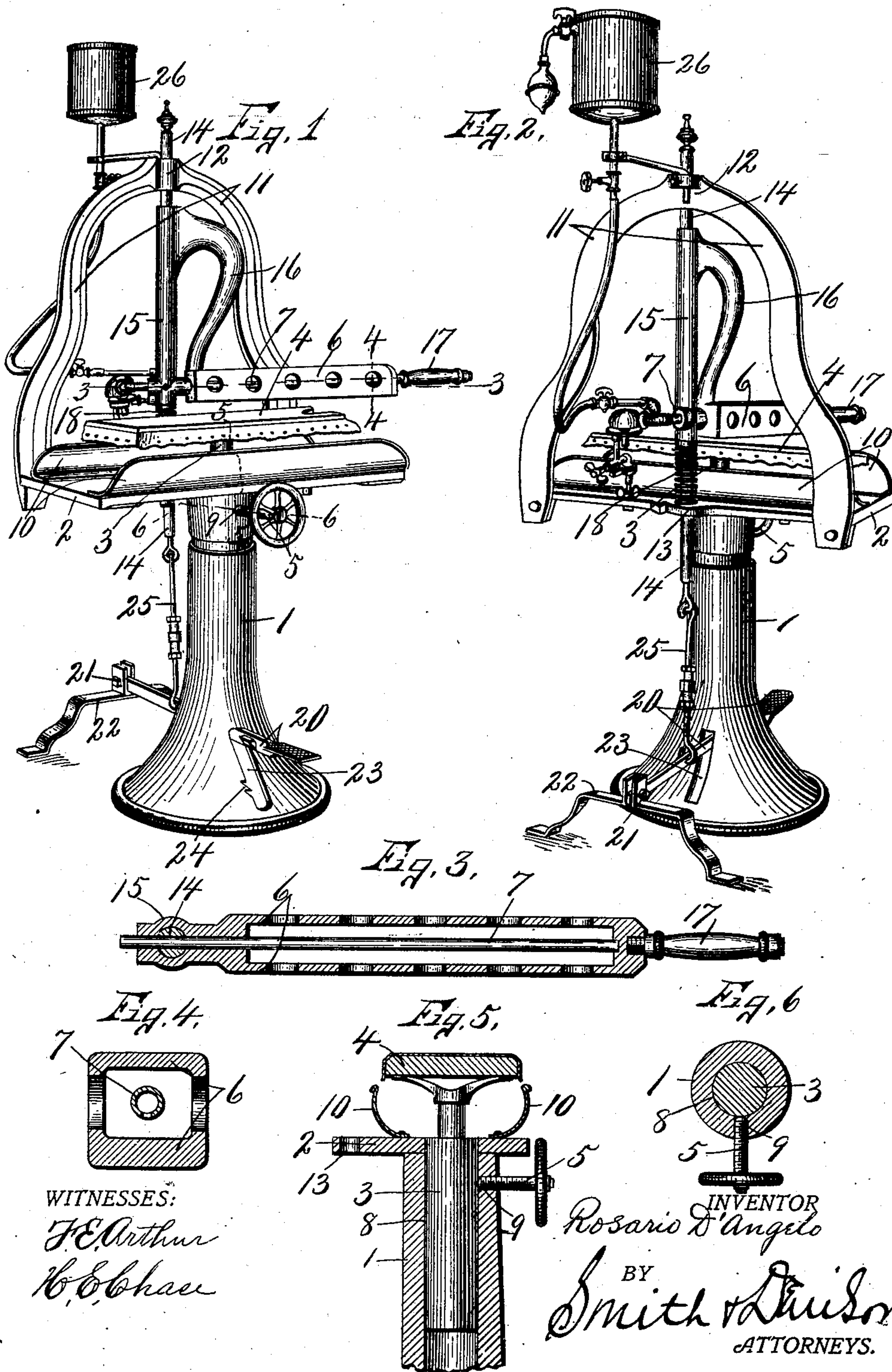
No. 755,752.

PATENTED MAR. 29, 1904.

R. D'ANGELO.
IRONING MACHINE.

APPLICATION FILED NOV. 24, 1902.

NO MODEL.



UNITED STATES PATENT OFFICE.

ROSARIO D'ANGELO, OF OSWEGO, NEW YORK.

IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 755,752, dated March 29, 1904.

Application filed November 24, 1902. Serial No. 132,620. (No model.)

To all whom it may concern:

Be it known that I, ROSARIO D'ANGELO, of Oswego, in the county of Oswego, in the State of New York, have invented new and useful
 5 Improvements in Ironing-Machines, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in ironing-machines, and refers more particularly to that class in which a heated burnishing-iron is operated manually across the surface to be polished or ironed—such, for instance, as shirt-bosoms, collars, and cuffs.

15 The object of my invention is to suspend the burnishing-iron in such manner that it may be easily and rapidly moved across the surface of the article to be ironed and under such pressure as may be desired, the main feature
 20 being that the pressure and movements of the iron are controlled by the operator, so that the wear and tear on the article is reduced to a minimum.

Another object is to enable the operator to
 25 readily change one form of the ironing-bed for another when necessary or desirable.

To this end the invention consists in the combination, construction, and arrangement of the parts of an ironing-machine, as herein-
 30 after fully described, and pointed out in the claims.

Referring to the drawings, Figures 1 and 2 are perspective views of my improved ironing-machine looking, respectively, from the front and from the rear of the machine. Figs.
 35 3, 4, 5, and 6 are detail sectional views, taken, respectively, on lines 3 3, 4 4, 5 5, and 6 6, Fig. 1.

Similar reference characters indicate corresponding parts in all the views.

This machine consists, essentially, of an upright standard 1, a horizontal bed 2, mounted on the upper end of the standard, a vertically-adjustable support 3, carrying an ironing-board 4, clamping means, as a hand-screw 5,
 45 for holding the support 3 in its adjusted position, a vertically and horizontally movable burnishing-iron 6, and a burner 7.

The standard 1 is adapted to rest upon the
 50 floor and is usually formed of cast-iron cored

out internally and having a flaring base, which may be secured to the floor, if desired. The upper end of the standard is bored longitudinally and transversely at 8 and 9, the bore 8 receiving the lower end of the support 3, and
 55 the bore 9 is threaded and receives the clamping-screw 5, which engages the support 3 and holds it in its adjusted position.

The bed 2 serves to receive and support the articles to be ironed or while being ironed, and
 60 is provided with front and rear wings or flanges 10, rising from the upper surface of the bed, near the edges thereof, to retain the articles on the bed or to receive and protect the edges of
 65 the articles as they overhang from the edges of the ironing-board 4 during the process of ironing. This ironing-board is mounted upon and secured to the upper end of the support 3
 70 above the bed 2 and is adjusted vertically by raising and lowering the support, as previously described, said ironing-board being
 75 usually covered with cloth to receive the articles to be ironed. Rising from the rear edge of the bed 2 a considerable distance above the board 4 is a bracket 11, secured by
 80 its ends to the bed and extending for a distance thereabove, which is provided with a bearing 12 at its upper end alined with a similar bearing 13, projecting from the rear edge
 85 of the bed 2, these bearings being arranged to receive and support the upper and lower ends of an axially-movable rock-shaft 14. Rigidly secured and fitted upon this rock-shaft is a sleeve 15, which is interposed between the bearings 12 and 13, and secured to
 90 the lower end of this sleeve and projecting horizontally therefrom over the top face of the ironing-board 4 is the burnishing-iron 6, the end adjacent to the sleeve being also connected thereto by a suitable handle 16, which
 95 not only serves as a brace for the burnisher, but also forms a convenient handle by which the burnisher may be manipulated over the surface of the articles, if desired. The burnisher is hollow to receive the burner 7, and
 100 is provided at its free end with a handle 17, by which it may be readily and easily swung horizontally across and depressed upon the surface of the article being burnished. The rock-shaft 14 and the sleeve 15, together with

the burnisher secured thereto, are held in their elevated position by a spring 18, encircling the lower end of the shaft and interposed between the lower bearing 13 and the lower end of the sleeve 15.

In order that the operator may have free use of his or her hands in the manipulation of the article and the burnishing-iron without being obliged to apply the necessary pressure by hand, I provide a foot-lever 20, which is fulcrumed at its rear end at 21 to a support 22, and its free end is movable in a vertical slot 23 in the standard 1 and adapted to interlock with shoulders 24, while its intermediate portion is connected by a link 25 to the lower end of the shaft 14, which projects below the bed in such manner that as the lever is depressed the shaft 14 and parts secured thereto are also lowered to bring the lower surface of the burnisher onto the surface of the article, it being understood that the spring 18 operates to return all of the parts to their normal positions.

Any kind of a gas-burner may be employed to suitably heat the lower wall of the burnisher, and I have shown a gas-pipe 7 arranged lengthwise within the hollow burnisher and provided with a series of apertures in the lower face, at which points the gas is ignited, the outer end of this pipe being connected to a supply-reservoir, as a gasolene-tank 26, which is supported on the rear face of the bracket at the upper end thereof.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In an ironing-machine of the character described, the combination of a main support therefor, a bed mounted upon said support, a bracket extending above the support, with an

axially-movable rock-shaft mounted in said bracket and bed, a sleeve movable with the shaft rigidly secured thereto, with a burnishing-iron mounted on the sleeve, a spring surrounding the shaft and engaging the bed and the lower end of the sleeve to normally retain the said sleeve in its upper position, said shaft extending through said bed, with means connected thereto to pull said shaft downwardly against the spring whereby said sleeve and burnishing-iron are lowered, said bracket supporting the fuel-supply, and a handle for manipulating said iron connected to the sleeve and to the iron.

2. In an ironing-machine of the type set forth, the combination with a main support therefor, and a bed mounted on the support, of a bracket secured by its ends to said bed and extending for a distance thereabove, a vertically-movable shaft journaled in the front face of the bracket, a rearwardly-projecting bearing secured to the bed engaging the other end of said shaft, a sleeve rigidly secured to the shaft with a burnishing-iron secured to the sleeve, a spring surrounding the shaft and interposed between the bed and the said sleeve of the shaft, the lower end of said shaft projecting below the bed, and means for depressing said shaft whereby the burnishing-iron may be lowered, the fuel-supply being supported on the rear face of the bracket at the upper end thereof, and a handle for manipulating said iron connected to the sleeve and to the iron.

In witness whereof I have hereunto set my hand this 22d day of October, 1902.

ROSARIO D'ANGELO.

Witnesses:

J. R. O'GORMAN,
JOSEPH A. RUSSO.