

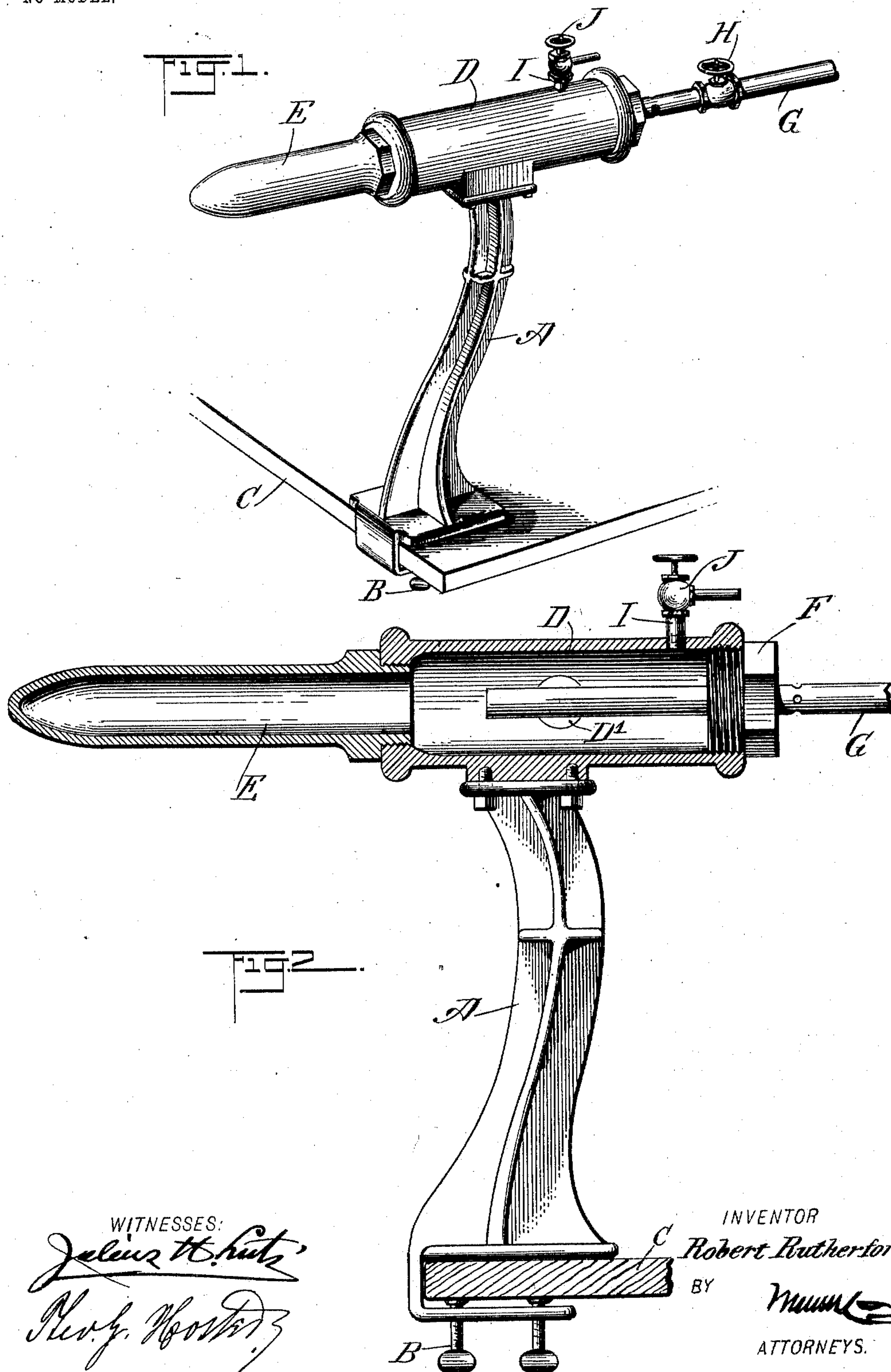
No. 760,256.

PATENTED MAY 17, 1904.

R. RUTHERFORD.
IRONING APPARATUS.
APPLICATION FILED JAN. 21, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



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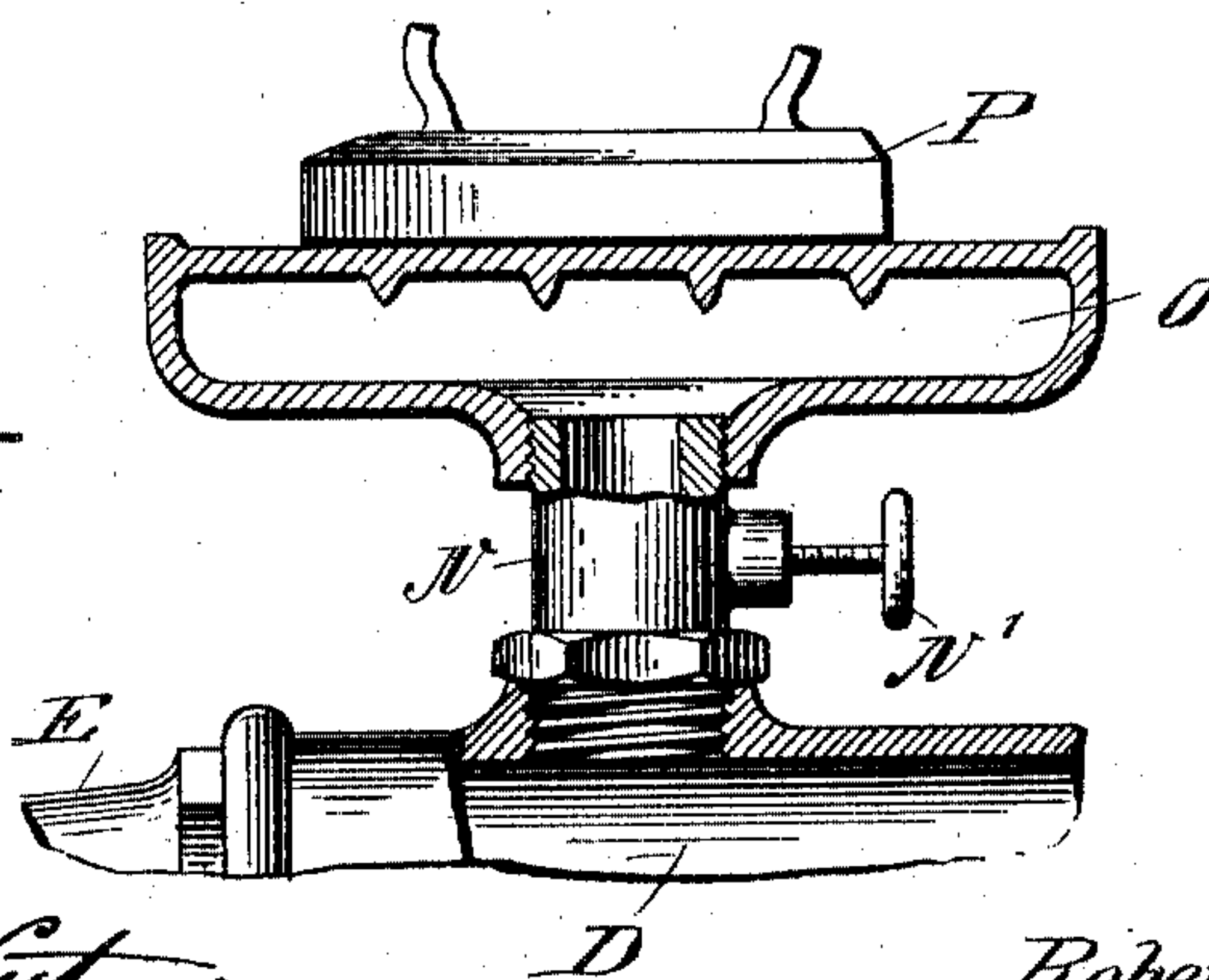
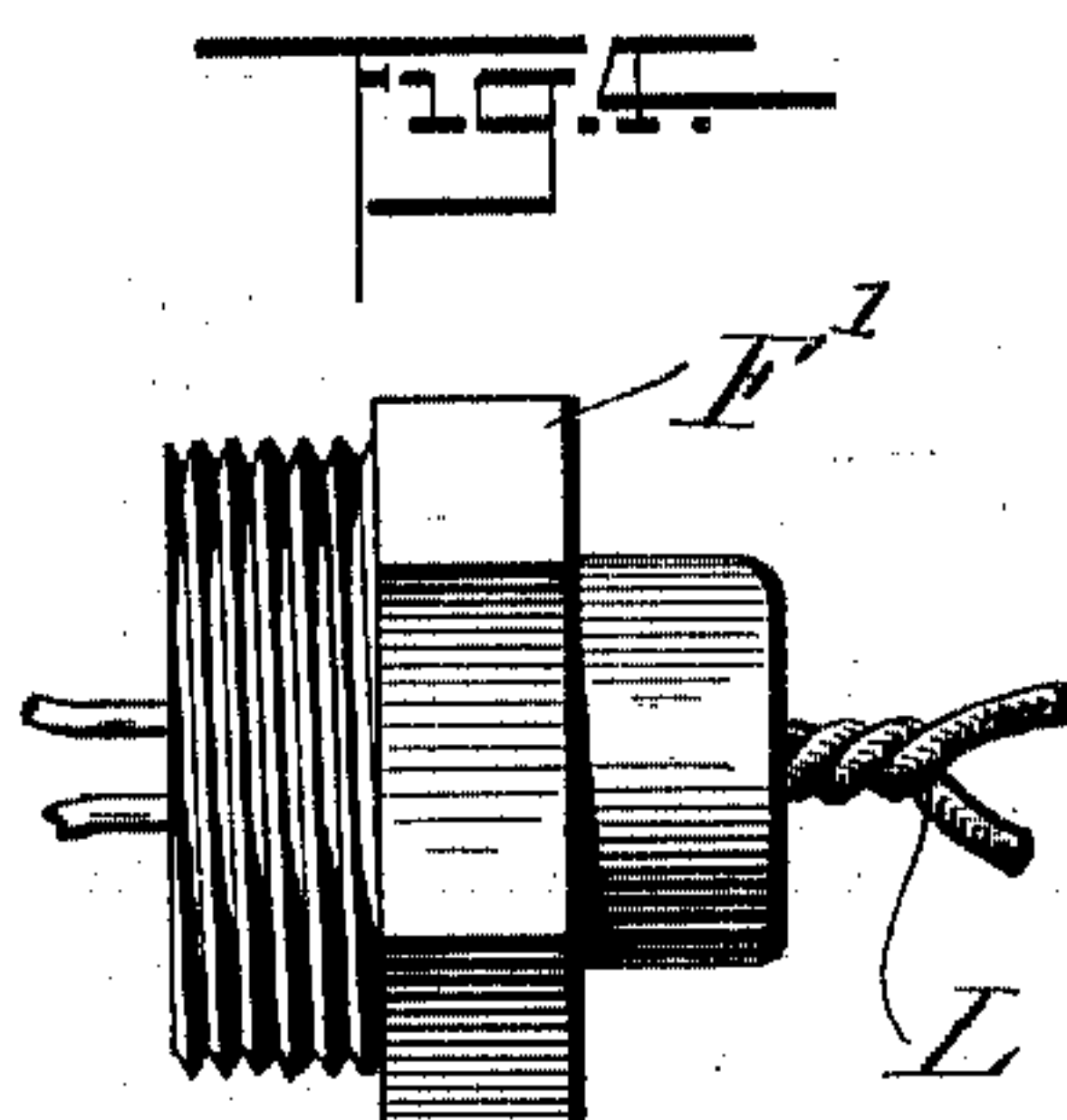
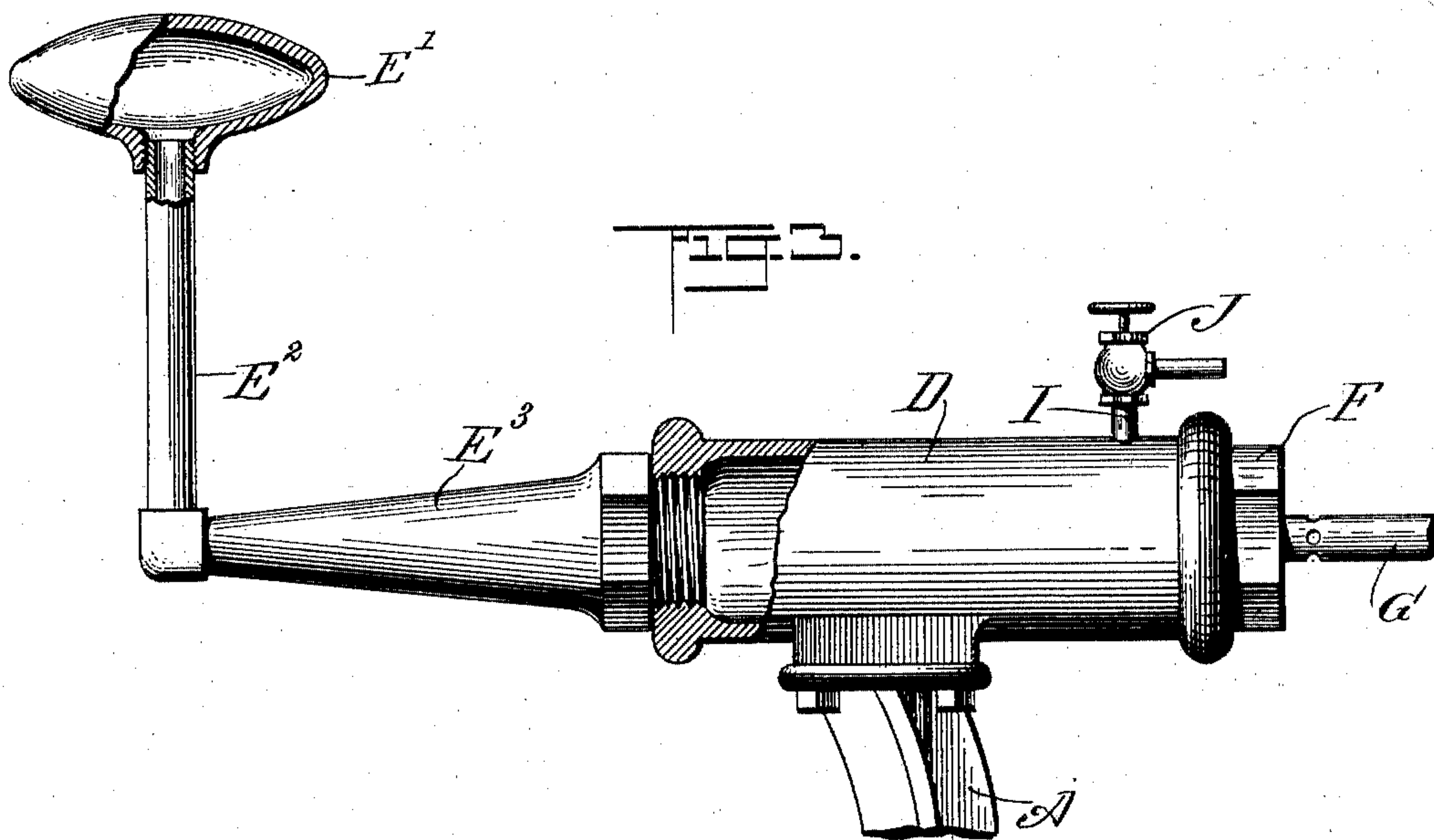
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NO MODEL.

2 SHEETS—SHEET 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT RUTHERFORD, OF PORTLAND, OREGON.

IRONING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 760,256, dated May 17, 1904.

Application filed January 21, 1903. Serial No. 139,915. (No model.)

To all whom it may concern:

Be it known that I, ROBERT RUTHERFORD, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Ironing Apparatus, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved ironing apparatus more especially designed for ironing velvets, ribbons, shirt-waists, ruffles, and other articles made of fabric materials, the apparatus being very simple and durable in construction and arranged to insure a uniform heating of the stationary sad-iron by gas, steam, or electricity, the apparatus being also serviceable for heating ordinary sad-irons and the like.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement. Fig. 2 is an enlarged longitudinal sectional elevation of the same. Fig. 3 is a side elevation of the improvement, part being shown in section, illustrating a modified form of sad-iron. Fig. 4 is a side elevation of the electric-wire plug for the heating-chamber when heating the latter by electricity, and Fig. 5 is a sectional side elevation of the attachment for heating ordinary sad-irons and the like.

The stand A is adapted to be fastened by suitable clamping-screws B to a table C or other support, and on the upper end of the said stand is secured a tubular heating-chamber D, in the front end of which screws a hollow sad-iron E, closed at the outer end and in communication at its inner end with the interior of the heating-chamber D, as plainly illustrated in Fig. 2. The sad-iron E may be of various shapes—for instance, as shown in Figs. 1 and 2, in the form of an elliptical shell rounded off at the outer closed end and, as illustrated at E' in Fig. 3, in the shape of

a hollow disk held on a pipe E², disposed vertically and connected by a tapering hollow plug E³ with the outer end of the heating-chamber D. In either case, however, the heat from the heating-chamber D passes into the sad-iron, so as to heat the same to allow the operator to draw the fabric material over the sad-iron to iron the same by the contact of the fabric material on the sad-iron and the pressure exerted by the operator in drawing the material over the sad-iron.

The end of the heating-chamber D opposite the one carrying the sad-iron E is closed by a plug F, through which passes centrally a gas-supply pipe G, connected with a suitable gas-supply and provided with a valve H for controlling the amount of gas passing through the pipe G into the interior of the heating-chamber D. The end of the pipe G extending within the heating-chamber D is perforated or provided with a suitable burner, to allow of burning the gas in the chamber to heat the latter and the sad-iron E, as previously explained. Access is had to the inner end of the pipe G to light the gas through a suitable plug D', screwing in the side of the heating-chamber D.

When it is desired to heat the apparatus by steam, then steam is introduced into the heating-chamber D through a suitable steam-pipe I, connected with a steam-supply and provided with a valve J, controlling the amount of steam passing into the chamber. The latter may also be heated by the use of electricity, and in this case an electric heating-coil is placed into the chamber D and connected with electric wires L, extending through a plug F', screwing in the outer end of the heating-chamber D in place of the plug F previously mentioned.

In the modified form shown in Fig. 5 the heating-chamber D is connected at its top by a valved pipe N with an auxiliary heating-chamber O, having a flat top to form a support for ordinary sad-irons P or other devices to be heated and placed for this purpose on the said auxiliary heater. By opening or closing a valve N' in the pipe N the auxiliary heating-chamber O may be connected with or disconnected from the main heating-chamber D.

The device shown and described is very simple and durable in construction and can be cheaply manufactured and readily heated by burning gas in the chamber, by introducing
5 steam therein, or by heating the coil contained in the chamber by electricity, as above explained.

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

10 1. An ironing apparatus comprising a stand, a horizontally-arranged tubular body forming a heating-chamber and supported on said stand, a hollow sad-iron detachably connected to one end of the heating-chamber, a removable plug closing the other end of said heating-chamber, and a conductor for a heating
15 medium extending through said plug to the interior of the heating-chamber, substantially as described.

20 2. An ironing apparatus comprising a stand,

a horizontally-arranged tubular body forming a heating-chamber and supported on said stand, a hollow sad-iron detachably connected to one end of said heating-chamber, a removable plug closing the other end of said heating-chamber, a gas-supply pipe connected with
25 a source of gas-supply, and passing centrally through said plug, the end of the pipe within the heating-chamber constituting a burner, one side of the said heating-chamber being
30 provided with an opening, and a removable plug closing said opening, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two
35 scribing witnesses.

ROBERT RUTHERFORD.

Witnesses:

G. R. FUNK,
F. W. PRASP.