

(No Model.)

C. O. WHITE.
NECKBAND IRONER.

No. 436,466.

Patented Sept. 16, 1890.

Fig. 1.

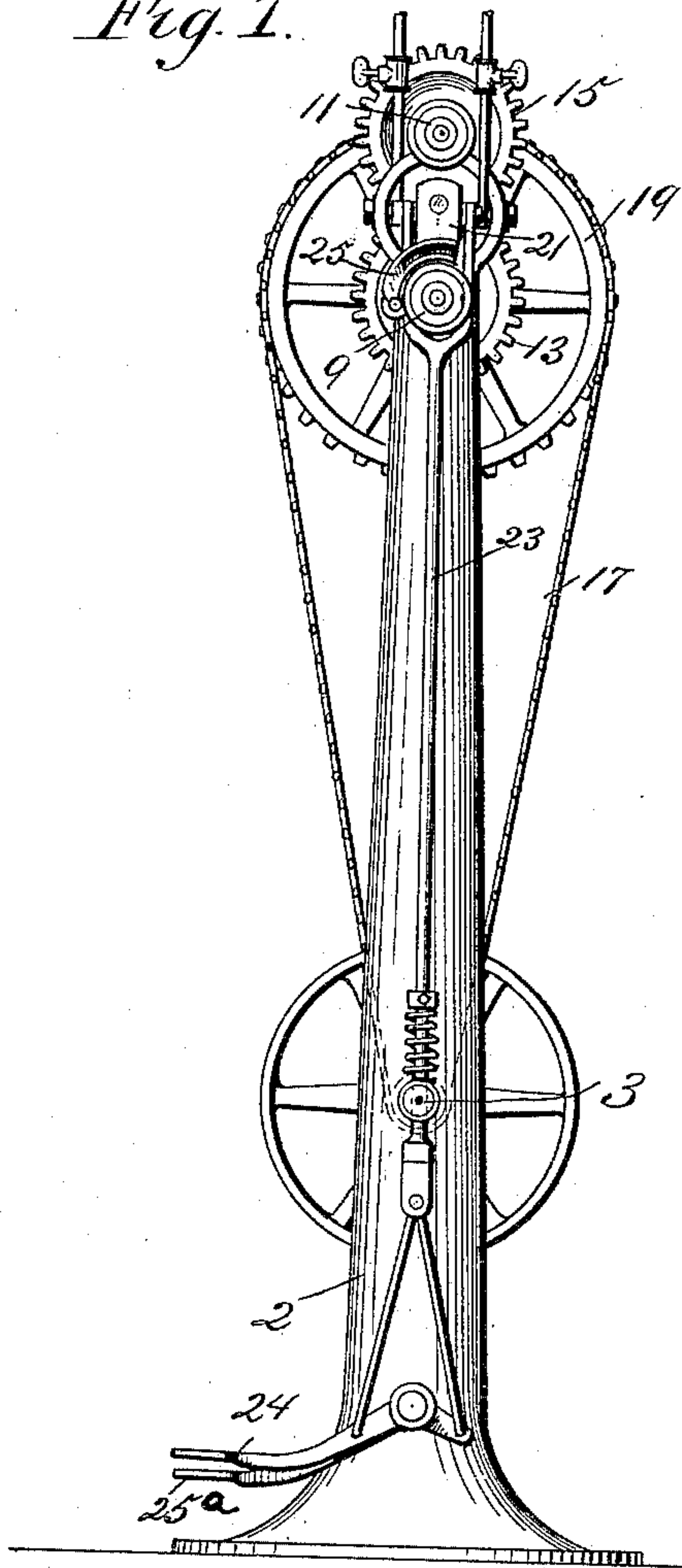


Fig. 2.

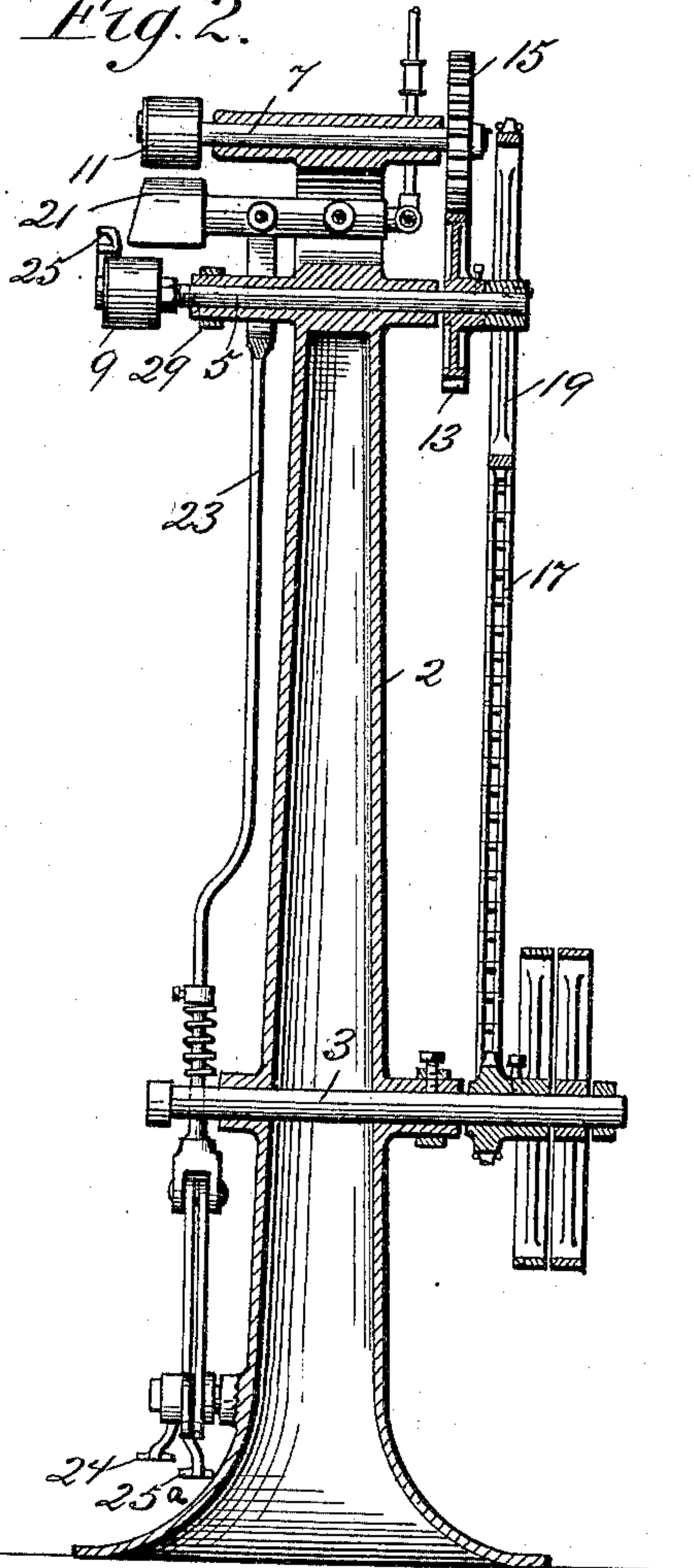


Fig. 4.

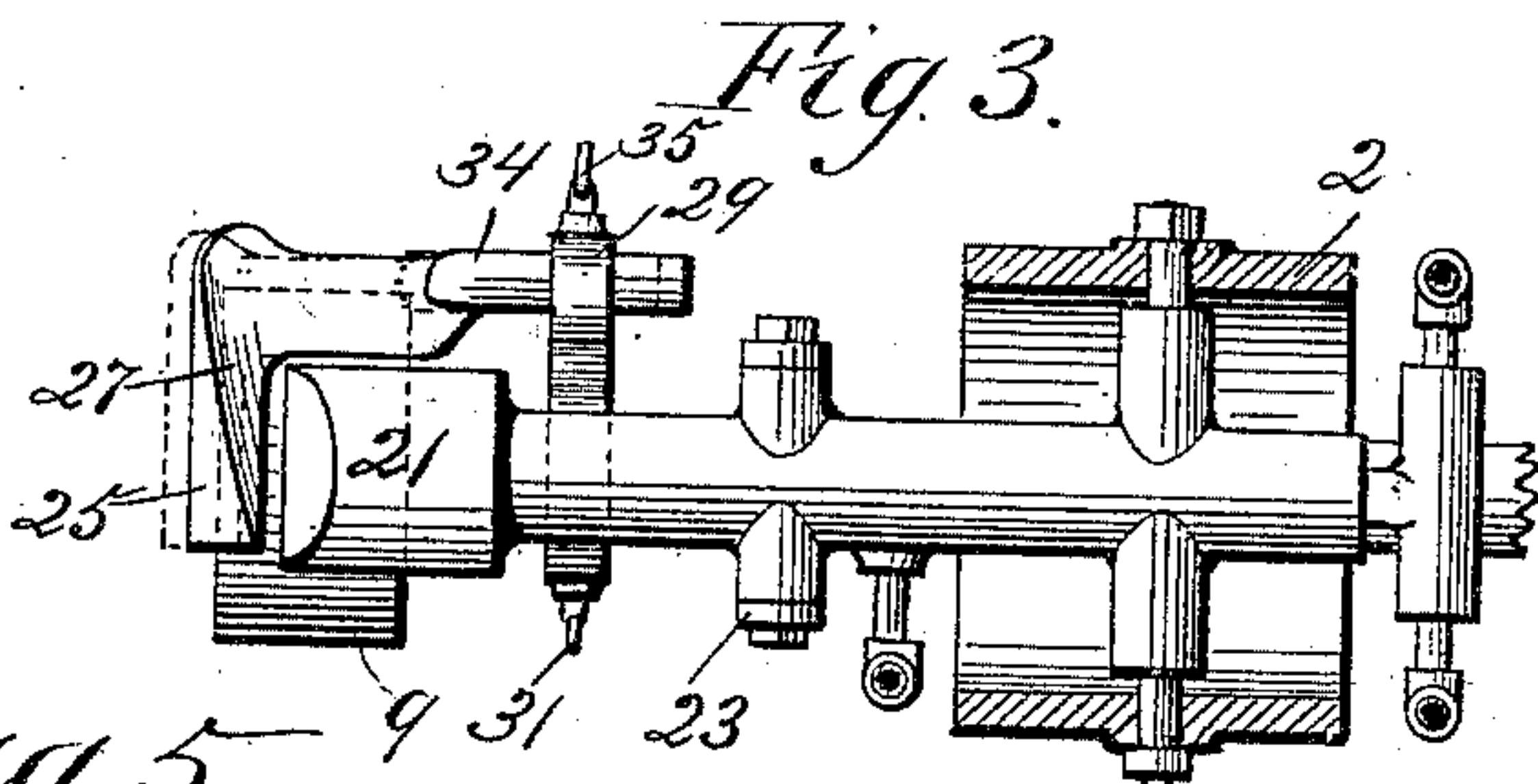
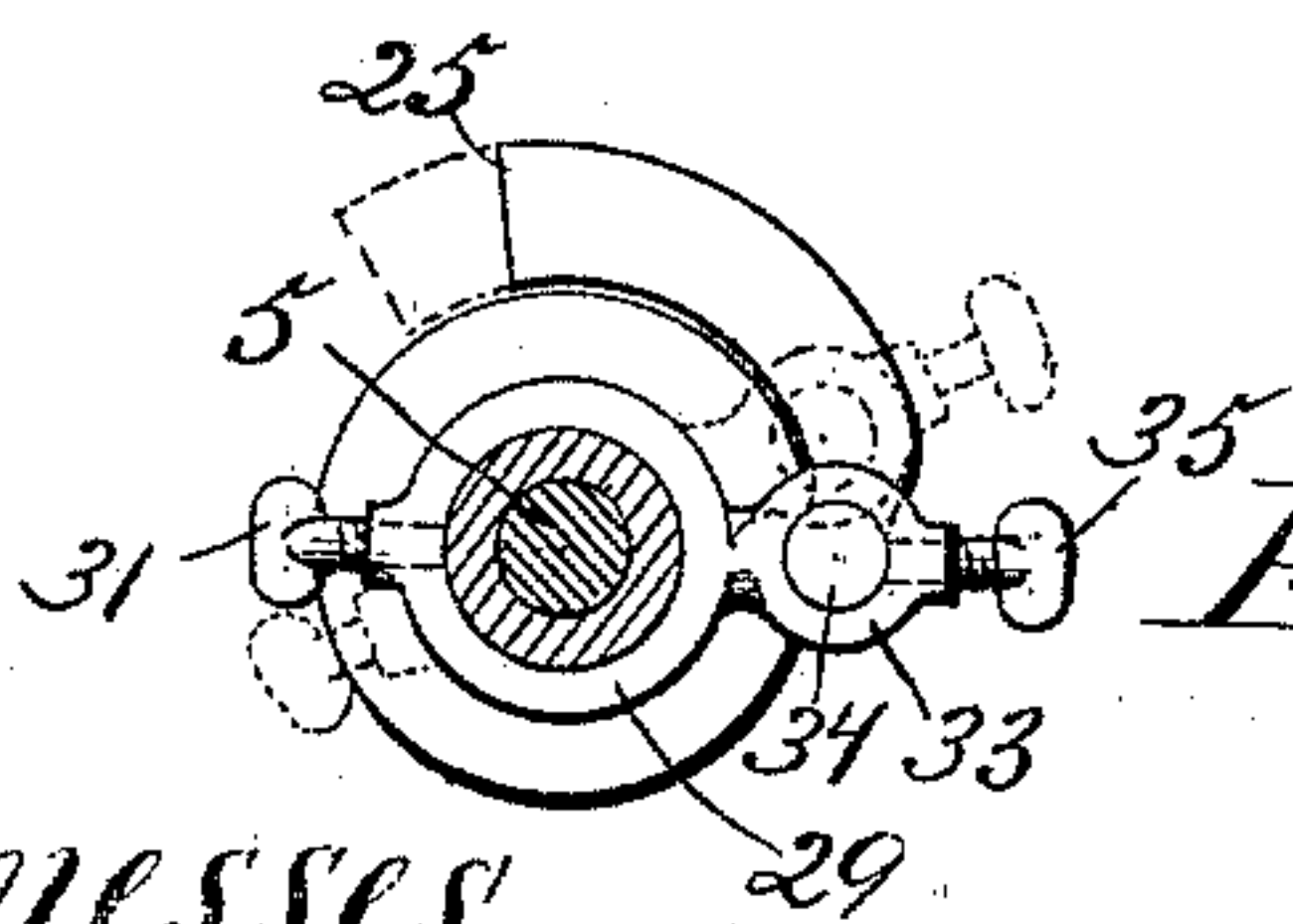
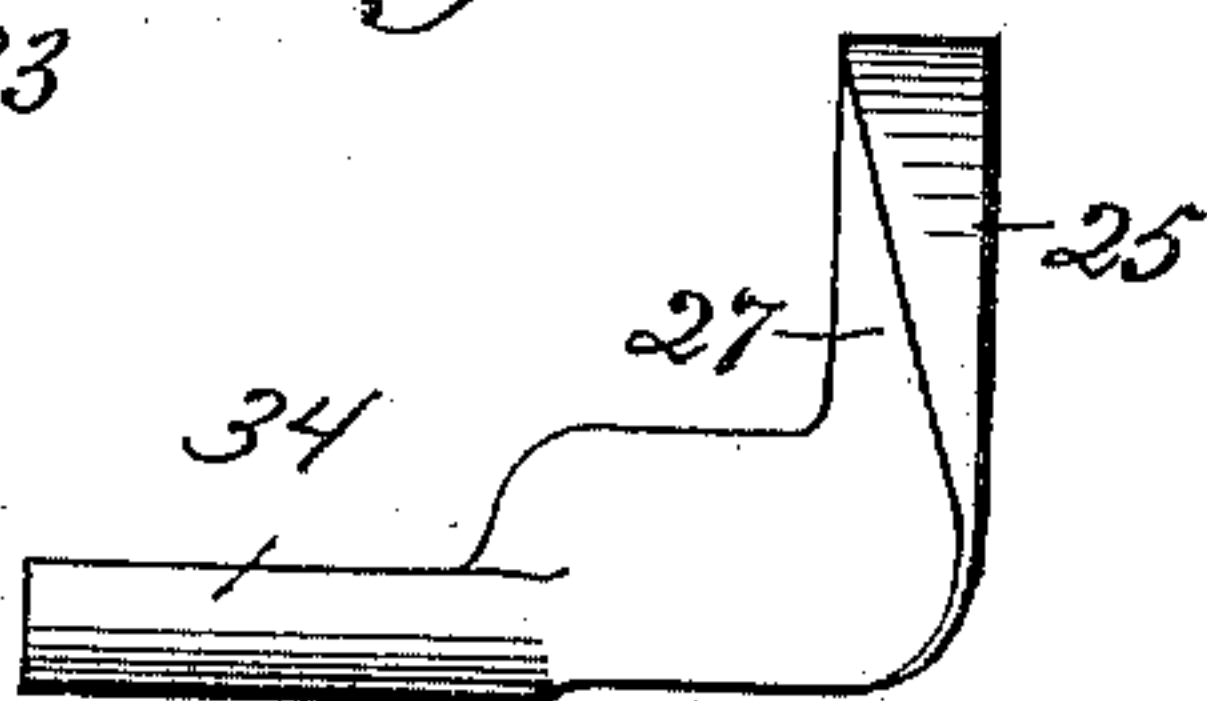


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

CLARENCE O. WHITE, OF MINNEAPOLIS, MINNESOTA.

NECKBAND-IRONER.

SPECIFICATION forming part of Letters Patent No. 436,466, dated September 16, 1890.

Application filed April 28, 1890. Serial No. 349,767. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE O. WHITE, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Neckband-Ironers, of which the following is a specification.

This invention relates particularly to improvements in machines designed for ironing neckbands of shirts; and the invention consists, generally, in combining with the padded roll and heated iron an adjustable guide and gage by which the neckband may be turned at any desired angle to the bosom or body of the shirt.

To this end the invention consists, generally, in the combination hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is an end elevation of my improved machine. Fig. 2 is a vertical section. Fig. 3 is a horizontal section taken just above the heated iron, and Figs. 4 and 5 are details of the guide.

I have shown the invention in connection with a machine having two padded rolls with the heated iron arranged between them and capable of being used in connection with either roll, being brought into contact with either roll by means of suitable treadle mechanism, and while I prefer to use the invention illustrated in connection with this kind of machine, it will be understood, however, that it may be used in connection with a machine having only one padded roll, or in connection with one having a revolving iron in place of the non-revolving iron herein shown.

In the drawings, 2 represents a standard, which is provided, preferably, with the driving-shaft 3 and with bearings for the shafts 5 and 7 of the padded rolls 9 and 11. These shafts are provided with gears 13 and 15, meshing together, and are preferably driven by a belt-chain 17 from the shaft 3, that engages a wheel 19 upon the shaft 5. The iron 21 is pivoted upon the standard 2, and is connected by a rod 23 with the treadles 24 and 25^a, by means of which the iron may be moved against either of the rolls 9 and 11.

This machine, as hereinbefore described, is of well-known construction, being in its essential features very similar to that shown and

described in my former patent, No. 419,164, dated January 7, 1890.

An adjustable gage and guide 25 is arranged over the lower padded roll 9 and in front of the iron 21. This gage is provided with the inclined rear face 27. At one end this face very nearly approaches the perpendicular and gradually recedes therefrom toward the other end of the gage. The gage is preferably arranged so as to be adjustable toward and from the end of the iron 21, and also so as to be adjustable circumferentially of the surface of the roll 9. The gage is preferably supported upon a ring 29, that is arranged upon the boss or bearing through which the shaft 5 passes, being secured thereto by a suitable set-screw 31. This ring is provided with a projection 33, having an opening that receives the shank 34 of the gage 25, which is held in place by means of a set-screw 35. When it is desired to adjust the gage toward or from the iron, the set-screw 35 is loosened, and the gage is moved by sliding the shank 34 in the opening in the projection 33. When it is desired to adjust the gage circumferentially of the roll, the set-screw 31 is loosened, and the ring 29 is turned upon its support, thereby carrying the gage around the roll, as indicated by the full and dotted lines in Fig. 4. By this means the neckband may be set at any desired angle. When it is desired to have the neckband substantially at right angles to the shirt, the gage is placed so as to be very near the iron, and so that the part of the surface 27 that is nearly perpendicular to the top of the roll 9 is over that part of the roll 9 at which contact is made by the iron 21. Then in ironing the neckband the under side of the body of the shirt will rest against the top of the gage 25 at this point, and thereby the outside of the neckband will be ironed, and the neckband will also be set so as to be very nearly perpendicular to the shirt-bosom, and by moving the gage farther from the end of the iron and moving it around circumferentially of the roll the neckband will be set at a less angle to the surface of the bosom.

In the machines ordinarily used—such as that shown in my former patent, hereinbefore referred to—the lower padded roll is provided with a flange for setting the neckband;

but this flange is not capable of the adjustments of the gage herein described and does not accomplish the result secured by my present invention.

5 I claim as my invention—

1. The combination, in an ironing-machine, of the padded roll and iron and a stationary adjustable gage and guide arranged above the padded roll and in front of the end of the
10 iron, for the purpose set forth.

2. The combination, with the roll 9 and iron 21, of the gage 25, arranged in front of said iron and provided with the inclined face 27 and capable of adjustment circumferen-
15 tially of the roll.

3. The combination, with the roll 9 and iron 21, of the adjustable rim 29 and the gage

25, provided with the inclined face 27, adjustably supported upon said ring and arranged over said roll and in front of said iron, substantially as described.

4. The combination, with the roll 9 and iron 21, of the gage 25, arranged in front of said iron and provided with the inclined face 27 and capable of adjustment circumferen-
25 tially of the roll and toward and from the end of the iron.

In testimony whereof I have hereunto set my hand this 22d day of April, 1890.

CLARENCE O. WHITE.

In presence of—

A. C. PAUL,

A. M. GASKILL.