

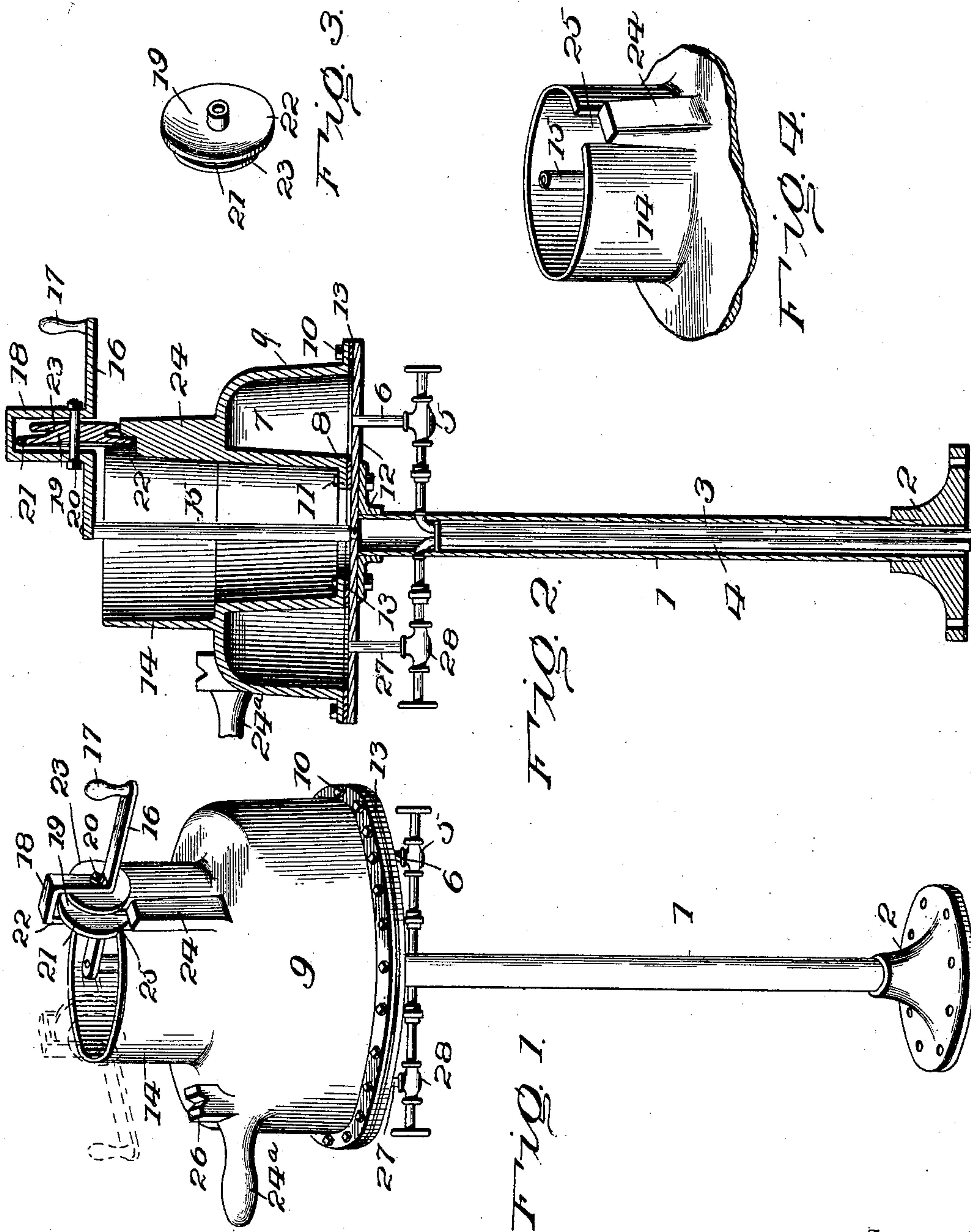
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Patented Sept. 24, 1901.

G. WEINSCHENKER & W. S. SCHOELLER.  
COLLAR TURNING AND IRONING MACHINE.

(Application filed Mar. 27, 1901.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

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## COLLAR TURNING AND IRONING MACHINE.

SPECIFICATION forming part of Letters Patent No. 683,159, dated September 24, 1901.

Application filed March 27, 1901. Serial No. 53,144. (No model.)

*To all whom it may concern:*

Be it known that we, GUSTAV WEINSCHENKER and WALLIE S. SCHOELLER, citizens of the United States, residing at Canal Dover, in the county of Tuscarawas and State of Ohio, have invented certain new and useful Improvements in Collar Turning and Ironing Machines; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a side elevation showing the different parts properly connected. Fig. 2 is a vertical section. Fig. 3 is a detached view of the collar forming and ironing wheel or roller. Fig. 4 is a detached view of the collar-holding flange and the heating-block.

The present invention has relation to collar turning and ironing machines; and it consists in the novel arrangement of parts hereinafter described, and particularly pointed out in the claim.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the support or standard, which is held in proper vertical position by means of the base 2, which base is secured to the floor or other suitable foundation, and for the purpose of providing room for the pipes 3 and 4 said standard is formed hollow. The pipe 3 is the steam-pipe and is provided with suitable connections and a valve 5, from which valve leads the inlet-pipe 6, said inlet-pipe being for the purpose of conveying steam to the chamber 7, said chamber being inclosed by the center support 8 and the outer portion or member 9, said parts being spaced one from the other, and the bottom of the outer portion 9 is provided with the flange 10 and the inner portion 8 provided with the flange 11, said flanges being for the purpose of providing a means for connecting the bottom plate 12, said bottom plate being for the purpose of providing a suitable support for the different parts connected thereto and also closes the steam-chamber 7, and for the purpose of forming a steam-tight joint between the steam-

cylinder and plate suitable gaskets, such as 13, should be provided and are located between the flanges 10 and 11 and the plate 12.

From the chamber 7 extends the collar-receiving flange 14, which collar-receiving flange is substantially of the form shown and is for the purpose of receiving and holding in proper position the collar designed to be turned, shaped, and ironed.

To the base-plate 12 or its equivalent is connected the post 15, to the top or upper end of which is journaled the handle-bar 16, which handle-bar is provided with the handle 17. The handle-bar 16 is provided with the bent or angled portion 18, which bent or angled portion is for the purpose of providing a means for journaling the ironing roller or wheel 19 and at the same time providing room for said ironing roller or wheel.

The ironing roller or wheel 19 is loosely mounted upon the bolt or bearing 20. The ironing and forming wheel 19 is provided with the groove 21, the inner flange 22 being extended farther than the outer flange 23, by which arrangement the ironing-wheel is provided with two peripheries, the outer periphery inclosing a circle of less diameter than the inner one, by which arrangement the inner flange is extended downward and against the collar-holding flange a greater distance than the outer flange, said ironing roller or wheel being so formed for the purpose of providing a means for ironing or smoothing the wider fold of the collar, which wider fold is located upon the inner side of the flange 14 when the collar to be ironed is placed in proper position.

For the purpose of providing a means for heating the ironing wheel or roller 19 the heating-block 24 is provided, which heating-block is formed integral with the steam-cylinder casing and is located as shown, and, as shown, it is located below the space 25, formed in the flange 14, so that the forming and ironing wheel 19 can rest upon the top of the heating-block 24, and thereby heat the roller or wheel 19.

In use the collar designed to be operated upon is placed upon the flange 14, the inner turn or fold of the collar coming upon the inner side and the outer turn or fold coming



upon the outer periphery of the flange 14, after which the roller or wheel 19 is carried around the flange 14 by means of the handle-bar 16 and the handle 17 and stopped upon the top 5 of the heating-block 24, after which the collar is removed and another collar placed in position and the operation repeated.

It will be understood that the ironing roller or wheel 19 should be dished, so as to allow 10 said wheel to travel around the collar-flange 14 without binding said wheel upon the flange 14.

For the purpose of having the inner flange of the ironing or forming wheel 19 and the 15 outer flange rest upon the heating-block 24 said heating-block is stepped at its upper end, as illustrated in the drawings, and is so formed for the purpose of causing both the outer and inner flanges of the ironing wheel 20 or roller to come in contact with said heating-block, and thereby properly heat the ironing wheel or roller.

For the purpose of properly smoothing any particular part of a collar the horn 24<sup>a</sup> is 25 provided, together with the notched block 26, and these parts are formed integral with the steam-cylinder casing and said parts heated by steam contained in the steam-cylinder.

For the purpose of removing water from the steam-cylinder 7 the return-pipe 27 is provided, which return-pipe is provided with the 30 valve 28. The water escapes through the outlet-pipe 4.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is— 35

The combination of a steam-cylinder, steam and return pipes connected thereto, an upward-extended annular flange provided with a cut-out portion, a heating-block located below the cut-out portion in the flange and 40 stepped at its upper end, a fixed post, a handle-bar journaled to the post and provided with an upward-extended portion, and the stepped ironing-roller carried by the handle-bar, substantially as and for the purpose 45 specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

GUSTAV WEINSCHENKER.  
WALLIE S. SCHOELLER.

Witnesses:

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