J. W. JOHNSON.

IRONING MACHINE.

APPLICATION FILED JAN. 27, 1911.

998,521. Patented July 18, 1911.

Fig. 1.

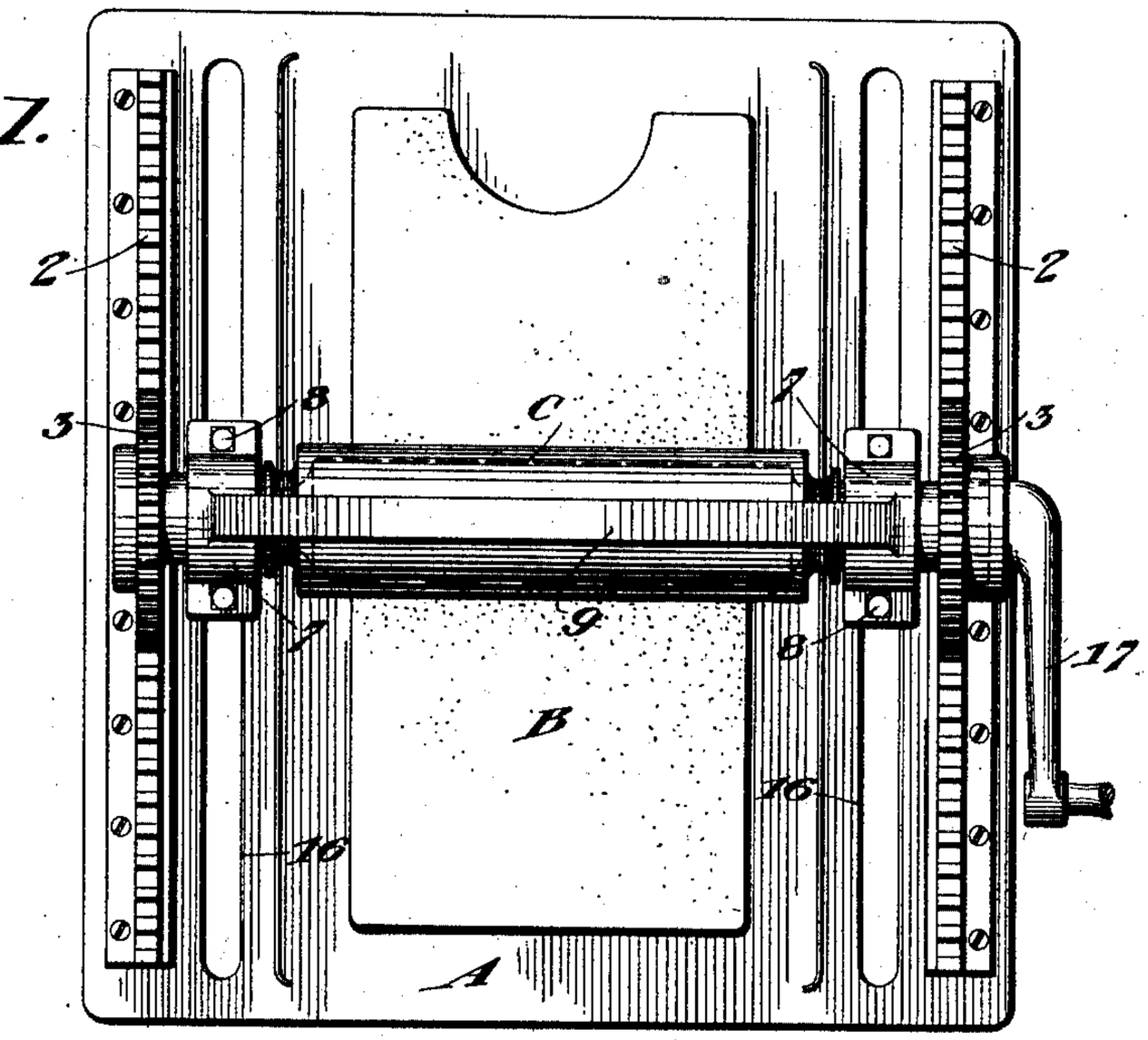


Fig. 2.

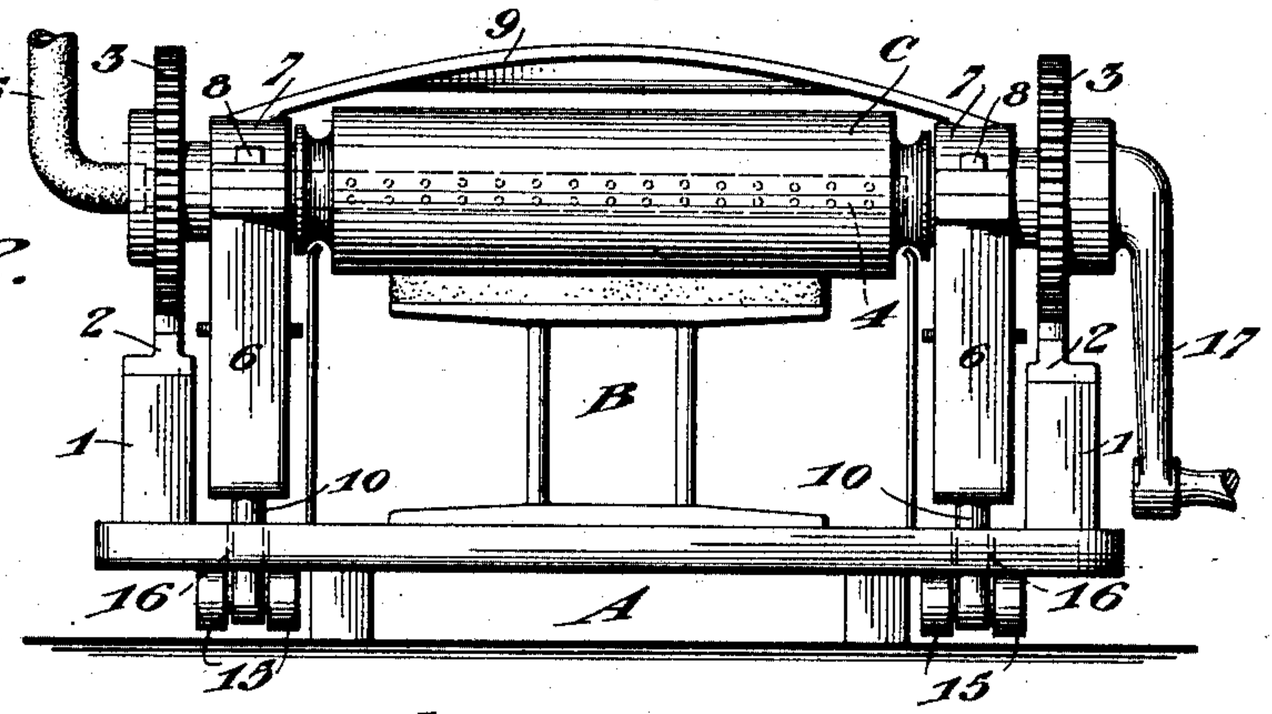


Fig. 3.

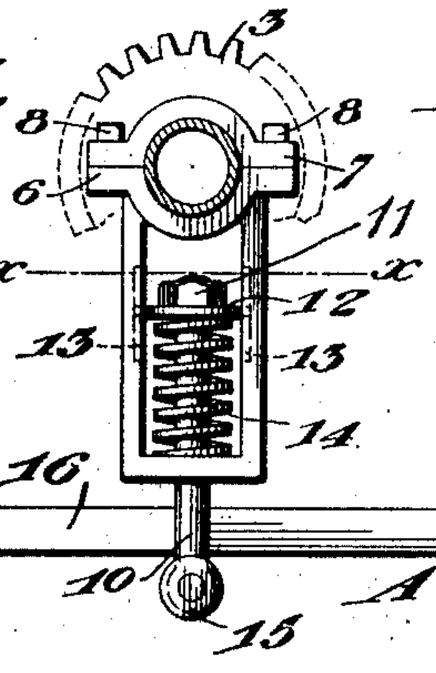
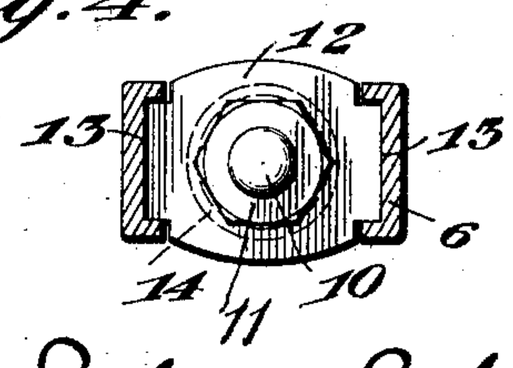


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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IRONING-MACHINE.

998,521. Specification of Letters Patent. **Patented July 18, 1911.**

Application filed January 27, 1911. Serial No. 605,055.

To all whom it may concern:

Be it known that I, JOHN W. JOHNSON, a citizen of the United States, residing at Upper Sandusky, in the county of Wyandot and State of Ohio, have invented certain new and useful Improvements in Ironing-Machines, of which the following is a specification.

My invention relates to an improvement in ironing machines, and the object is to provide means whereby the roll is caused to travel across the ironing table on tracks.

A further object is in providing means for retaining the roll upon the tracks, said means so connected to the roll that the roll is capable of accommodating itself to all uneven surfaces of the articles being operated upon.

The invention consists in certain novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings: Figure 1 is a top plan view; Fig. 2 is an end view; Fig. 3 is a detail view in section of the means for retaining the roll upon the tracks; and Fig. 4 is a sectional view on the line *x*—*x* of Fig. 3.

A represents the base, upon which is mounted the ironing table B. Rails 1, 1, are mounted upon the base, and mounted upon the rails are rack bars or tracks 2. An ironing roll C is provided with gear wheels 3 at each end, which wheels are provided with teeth, which mesh with the rack teeth of the rack bars 2. Mounted within the roll is a perforated burner tube 4, which is connected with a pipe 5 for supplying the fuel to the tube for heating the ironing roll. Stirrups 6, 6, are mounted at each end of the roll. Bearing heads 7 are made in sections and are connected together by bolts 8. A bar 9 connects the bearing heads together so that the stirrups are held against lateral movement upon the roll. Rods 10 are received in the stirrups, extending through the bottom thereof, and are provided with a nut 11 at one end, and received beneath the nut is a washer 12 which is capable of a sliding movement in grooves 13 formed in the sides of the stirrup. Received between the bases of the stirrups and the washers 12 are coil springs 14. Connected to the lower end of the rods 10 are rollers 15 which bear against the underside of the base A. The rods 10 pass through slots 16 in the base, and as each rod is provided with two rollers, the rollers will bear against the base and tend to hold the roll upon the table B under the tension of the springs 14. The springs 14 will allow the roll to have a certain upward movement to accommodate any uneven surfaces in the article being operated upon. The rods and stirrups afford means for retaining the gear wheels upon the tracks 2, and preventing them from moving off of the tracks, which would be the case if the stirrups and rods were not provided for holding the roll, and wheels in proper alinement with respect to the table. The crank 17 is connected to one end of the roll C for rotating it for causing the roll to be carried across the table by the gear wheels 3 upon the tracks 2.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:

The combination with a base having slots therein, and an ironing table connected thereto, of an ironing roll mounted upon the base, stirrups connected to the roll, rods slidably mounted in the stirrups, springs encircling the rods and bearing against the upper end of the rod and the lower end of the stirrup, said rods passing through the slots, and rollers on the lower ends thereof engaging the under side of the base for retaining the roll in position with respect to the ironing table.

In witness whereof I affix my signature in the presence of two witnesses.

JOHN W. JOHNSON.

Witnesses:

WM. STEPHAN,

ROBERT HALBEDEL.