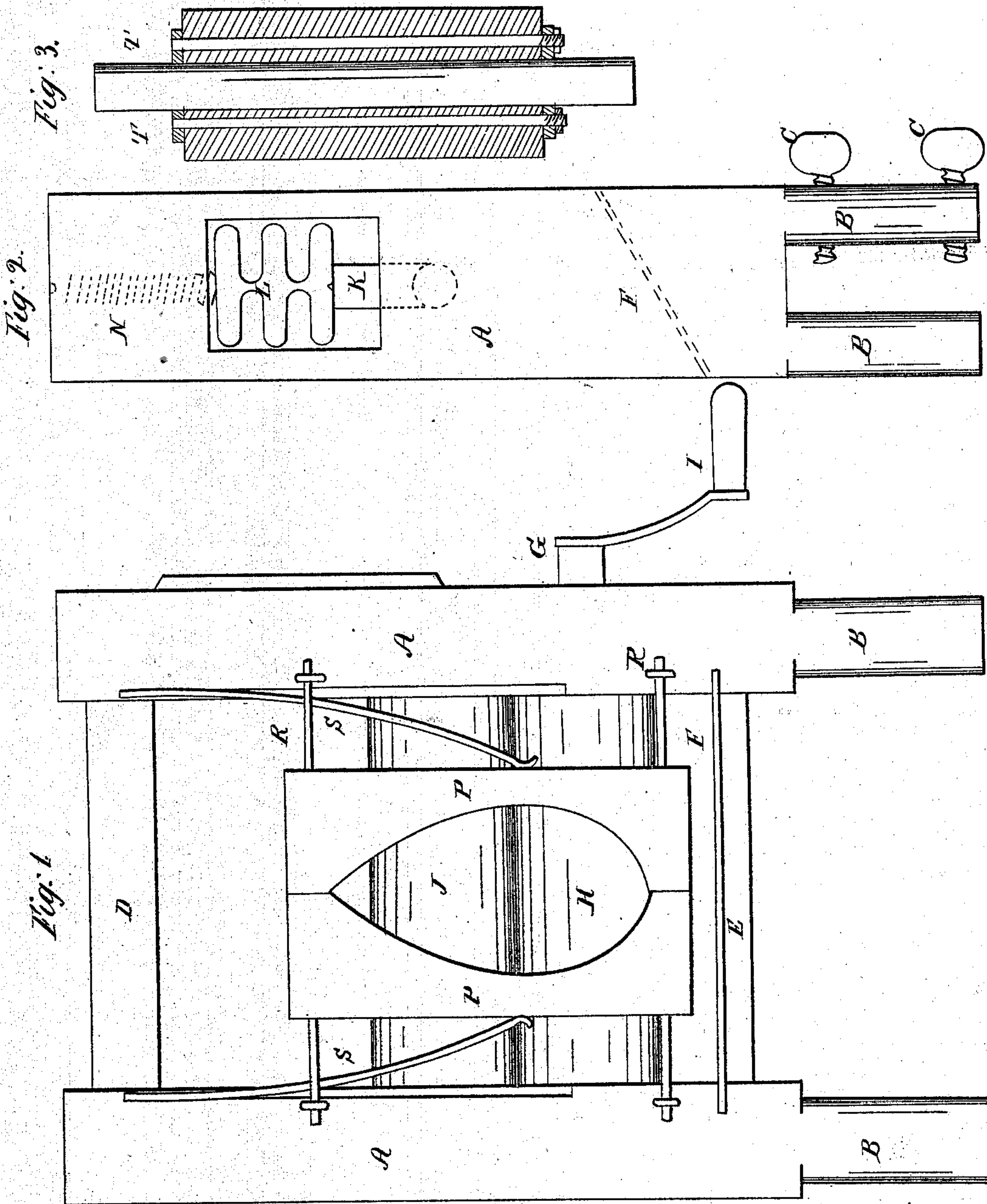


S. R. Wing,
Wringer Roll,
N^o 35,283. *Patented May 13, 1862.*



Witnesses;
Cha' Hadaway
Alexander Mahon

Inventor;
Stephen R. Wing
By his Atty J. Dennis & Co.

UNITED STATES PATENT OFFICE.

STEPHEN R. WING, OF SANDWICH, ASSIGNOR TO LINDLY M. WING, OF WEST FALMOUTH, MASSACHUSETTS.

IMPROVED ROLLERS FOR WRINGING-MACHINES.

Specification forming part of Letters Patent No. 35,283, dated May 13, 1862.

To all whom it may concern:

Be it known that I, STEPHEN R. WING, of Sandwich, in the county of Barnstable and State of Massachusetts, have invented certain new and useful Improvements in Squeezers for Expressing Water from Cloth, Clothes, &c.; and I do hereby declare that the same are described and represented in the following specifications and drawings.

To enable others skilled in the art to make and use my improvements, I will proceed to describe their construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

Figure 1 is a front elevation of the squeezers. Fig. 2 is a side elevation. Fig. 3 is a section of one of the rollers cut lengthwise through the center.

The nature of my invention consists in making one or both rollers of cork or covering them with cork, so as to make them sufficiently elastic to answer the purpose intended; also, in some self-adjusting traversing guides for pressing up the edges of the cloth or clothes as they pass in between the rollers.

In the accompanying drawings, A A are two standards, which may be made in the form shown or in such other form as will answer the purpose, and provided with two legs, B B, to each standard, as shown in Fig. 2 of the drawings, which legs are to be placed astride the side of a tub to hold the squeezers when they are used. One of each pair of legs are provided with set-screws C C, which may be screwed against the tub to hold the standards firmly while the squeezers are used.

The standards A are connected at the top by the bar D and at the bottom by the bar E and inclined board F, which conducts the water into the tub that runs from the rollers.

The standards A are perforated for the shaft G of the lower roller, H, which shaft is provided with a crank, I, to turn it when squeezing the water from the cloth or clothes. The shaft or the journals of the shaft of the upper roller, J, turn in grooves in the standards A, and the boxes, one of which is shown at K, bear on the journals of the upper roller and press it against the lower one or onto the

cloth or clothes which pass between the rollers. The boxes K are pressed onto the journals of the upper roller by springs, one of which is shown at L, and the pressure of the springs may be adjusted by the screws in the standards, one of which is shown at N.

P P are traversing guides arranged to traverse on the bars R R, and are pressed toward each other by the springs S S, fastened to the standards A. These guides press up or in the edges of the cloth or clothes as they enter between the rollers.

The rollers H and J are made of cork. They may be made of a single piece if large or thick enough, or of a series of disks placed upon a shaft. In either case a metal disk should be fastened to the shaft, with two or more rods, T T, passing through it and through the disks of cork, and also through another metal disk at the opposite end, and the rods provided with screw-nuts to draw the metal disks toward each other and clamp or press the cork disks together and hold them firmly and prevent the shafts from turning in the disks. When made in this way, if the central disks become worn by use they can be taken off and put at the ends and the end disks put in the middle, and in this way the cork will last a long time. The cork, when wet, is so yielding that it will not break the buttons on the clothes, and the cork rollers can be made for one-third or less than one-half the cost of rubber rollers, and are found in practical use to answer equally as good purpose as rubber.

I believe I have described and represented my improvements in squeezers so as to enable any person skilled in the art to make and use them. I will now state what I desire to secure by Letters Patent.

I claim—

1. One or more rollers made of or covered with cork, for the purpose specified, substantially as described.
2. The self-adjusting traversing guides for pressing in the edges of the cloth or clothes as they pass in between the rollers, as described.

STEPHEN R. WING.

Witnesses:

ZENAS HAMBLIN,
ABIEL C. GRAHAM.