J. Webb,

Wringer,

No. 82,259. Patented Sep. 15, 1868

Fig. 1.

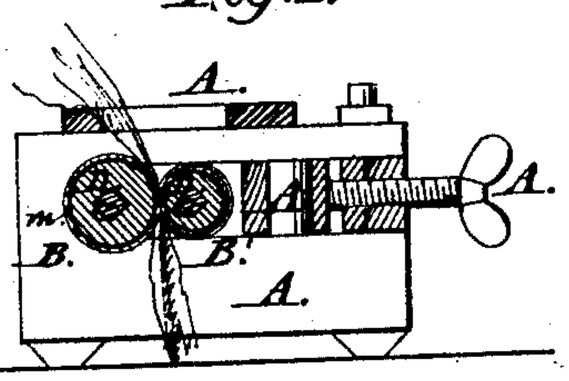


Fig. 3.

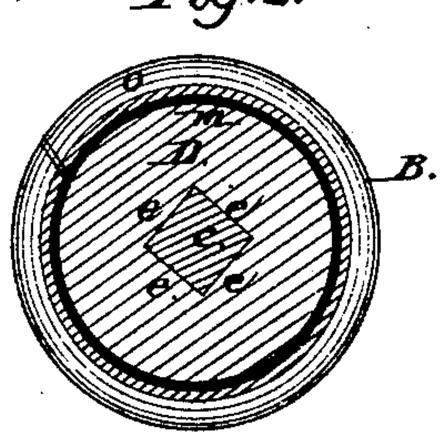
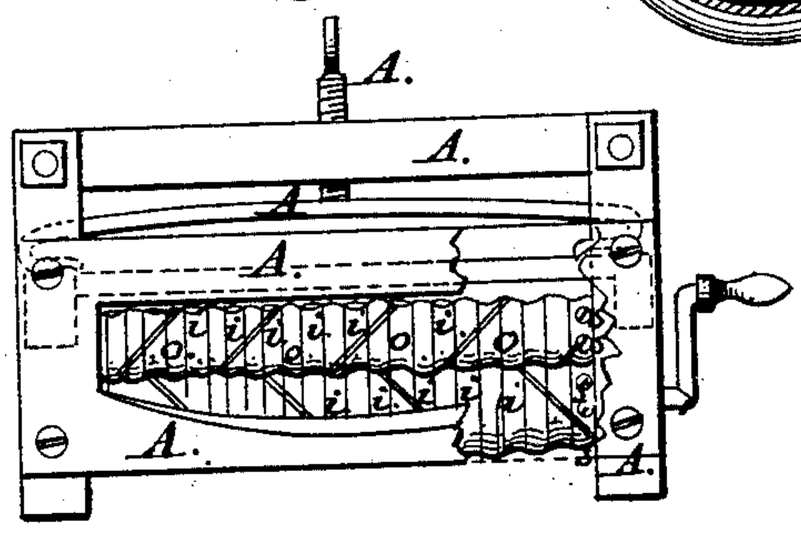


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOSIAH WEBB, OF SPARTANSBURG, PENNSYLVANIA.

IMPROVED CLOTHES-WRINGER.

Specification forming part of Letters Patent No. **82,259,** dated September 15, 1868.

To all whom it may concern:

Be it known that I, JOSIAH WEBB, of Spartansburg, in the county of Crawford and State of Pennsylvania, have invented a new and Improved Clothes-Wringer; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section. Fig. 2 is a side elevation, a portion of the frame being broken away. Fig. 3 is a cross-section of one of the rolls.

This invention consists in the peculiar method of constructing and arranging the compressing-rolls, whereby the water is more completely expressed from the clothes, and whereby, also, the rubber coating of the rolls can be easily adjusted and tightened when it works loose.

In the drawings, A A represent the different parts of the common machine for wringing clothes, and B B′ are the rolls between which the clothes are passed to express the water from them. In constructing these rolls, I first make a square shaft, *c*, and a wooden cylinder, D, having a square longitudinal opening, *e*, just large enough to fit tightly upon the shaft. I corrugate the periphery of the wooden roller, as shown at *i i i*, the grooves not running in a spiral or screw line, but each groove being an independent ring, parallel to those adjacent to it, and constituting the shortest line that can be drawn around the wooden cylinder. I then mix pitch and sand in about equal proportions, and apply a thick coating of the mixture to the periphery of the wooden cylinder, from end to end, as seen at *m*. Around this, before the pitchy composition becomes hard, I wind a strip of rubber in a spiral coil, *o*, in two layers, commencing at one end of the cylinder and winding to the other end, and back to the place of beginning. I fasten the ends of the rubber coil by a key or screws, *s s*, or both, or in any other expedient manner.

When the rubber stretches and becomes loose, it will not oblige the owner to throw away his machine or its rolls, as is the case with all others hitherto in use; but he can, by taking out the screws or other fastening, readjust the rubber and tighten it as much as may be desirable, without any additional expense, and with the loss of but a few minutes of time. Both rolls are to be constructed in this manner, and so arranged that the projecting rings upon one will run in the grooves of the other, by which arrangement the clothes will be more thoroughly wrung out than when smooth rolls are used, without being crowded along to the ends of the rolls, as is sometimes the case when the spiral corrugations are employed.

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

Constructing the rolls B B′ of the wooden cylinder D, the coating of pitch and sand *m*, and the spirally-wound coil of rubber *o*, arranged in the manner and for the purposes specified.

JOSIAH WEBB.

Witnesses:
PAUL BLACKMER,
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