

(Model.)

D. LAMPSON.

WRINGER ROLL.

No. 334,956.

Patented Jan. 26, 1886.

Fig. 1.

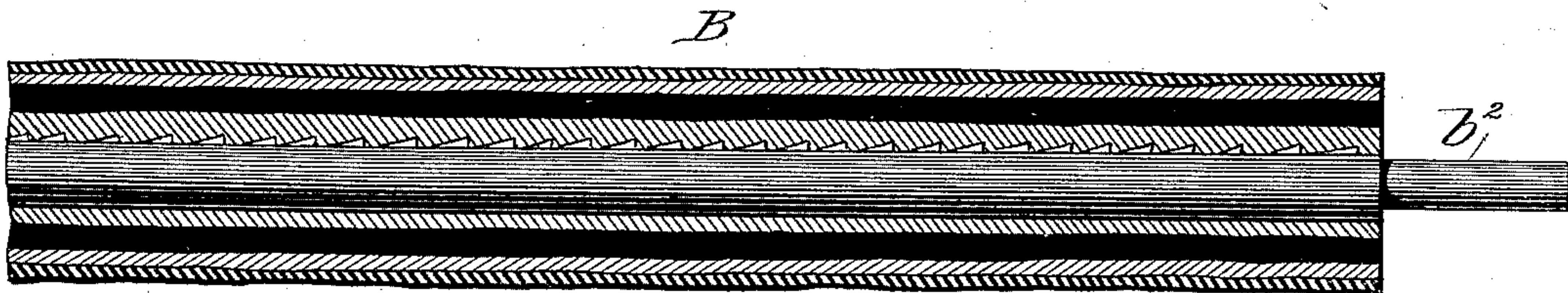
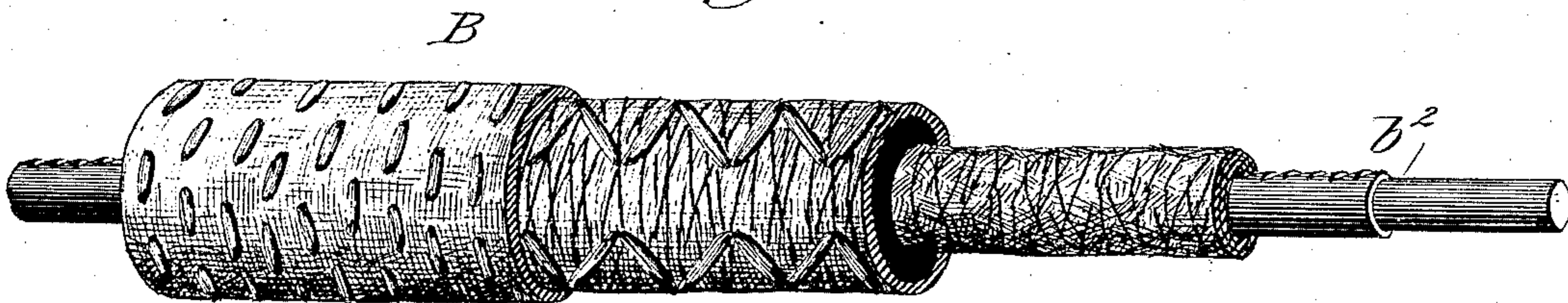


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

DANIEL LAMPSON, OF ROCKFORD, ILLINOIS.

WRINGER-ROLL.

SPECIFICATION forming part of Letters Patent No. 334,956, dated January 26, 1886.

Application filed June 25, 1884. Serial No. 136,002. (Model.)

To all whom it may concern:

Be it known that I, DANIEL LAMPSON, a citizen of the United States, residing at Rockford, in the county of Winnebago, and State of Illinois, have invented a new and useful Improvement in Clothes-Wringer Rolls, of which the following is a specification.

My invention relates to improvements in wringer-rolls, which are adjustably used in conjunction with the supporting-frame of a clothes-wringer, and the objects of my improvements are, first, to provide a secure mode of fastening the roll to its journal; second, to produce a combination-roll consisting of woven fabric and rubber, made by cementing and quilting the parts, as will be hereinafter described. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a vertical sectional view taken through the center of the roll, and Fig. 2 is a view of the roll, partly in section, showing the manner of forming the roll step by step.

Similar letters refer to similar parts throughout each view.

In making my roll B, I take, first, the iron rod b^2 , and with suitable tools raise upon it a flange or a series of teeth the entire length that is to be covered, and, if desired, lateral spurs may be raised upon the opposite side from the one having the longitudinal projection, and after coating the rod b^2 with Japan varnish, coal-tar, or similar substance, and when hardened I proceed to take the second step, which is to cover or wind the shaft with a coarse fabric, say, with what is known in the trade as "burlap." This burlap is wound

about the shaft course upon course until the necessary diameter shall have been attained, when I proceed, thirdly, to sew the cloth through and through outside the iron rod until the fabric and metal shall be secured each to the other in a fixed manner. After this foundation is formed I proceed, fourthly, to force the rubber part of the roll over the core, when another covering of burlap is tightly wound around the rubber, and an additional series of stitches is made to pass through the outer course of burlap, the rubber, and the inner course or core, uniting the whole, as before described. I then, fifthly, put on an outside coating of some suitable cement, liquid shellac being preferable, when the sixth step is taken, which is to again cover the roll now formed with some light canvas, preferably what is known as "duck," and when done the roll is subjected to another course of stitching through the whole mass, and thus I am able to produce a serviceable roll, and one that will not turn upon its shaft.

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

In a wringer-roll, the combination of the flanged supporting shaft, the fabric-quilted base, the rubber sleeve, the secondary quilted covering of coarse fabric treated with cement, as described, and the outer quilted covering of canvas, all arranged substantially as and for the purpose herein set forth.

DANIEL LAMPSON.

Witnesses:

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