

J. Danner,

Wringer Roll,

No 50,802,

Patented Nov. 7, 1865.

Fig. 1.

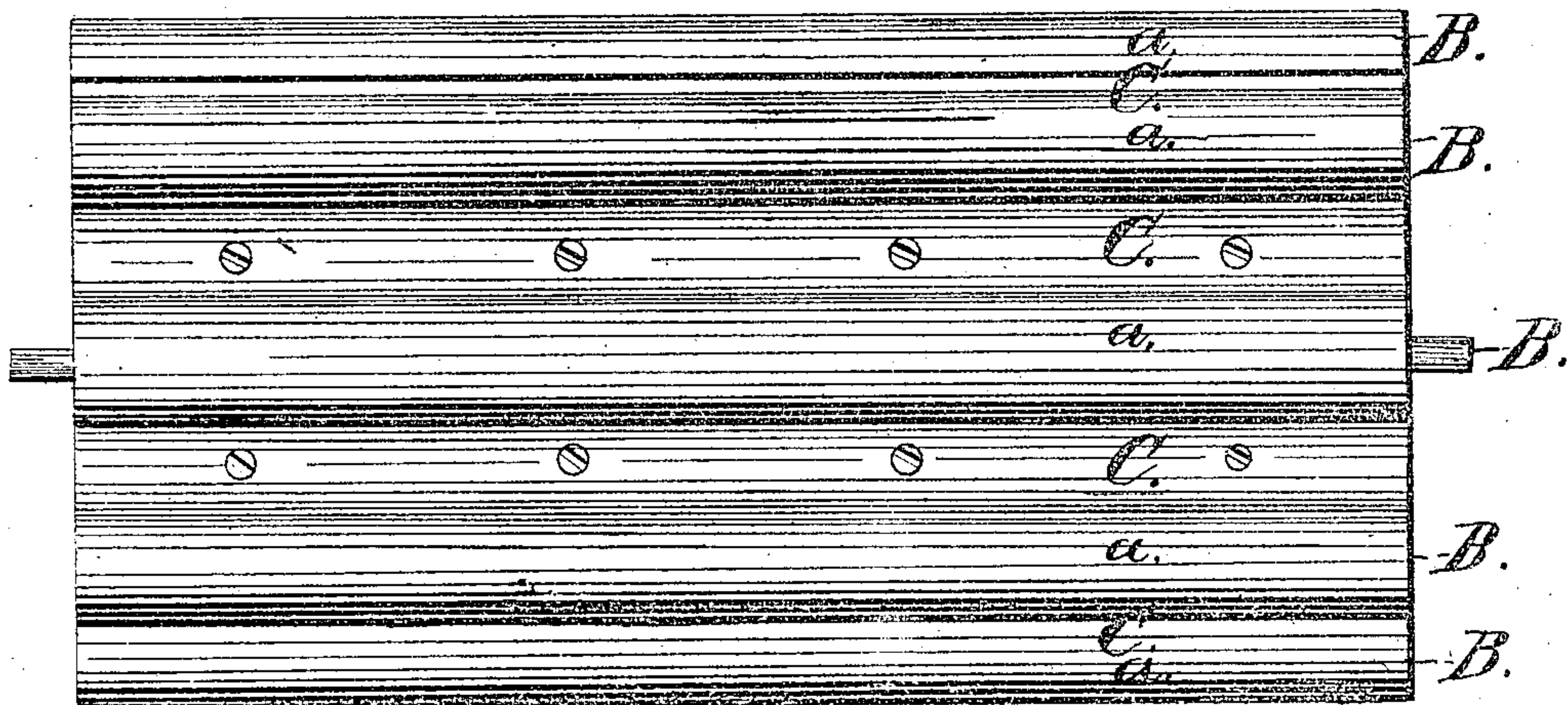
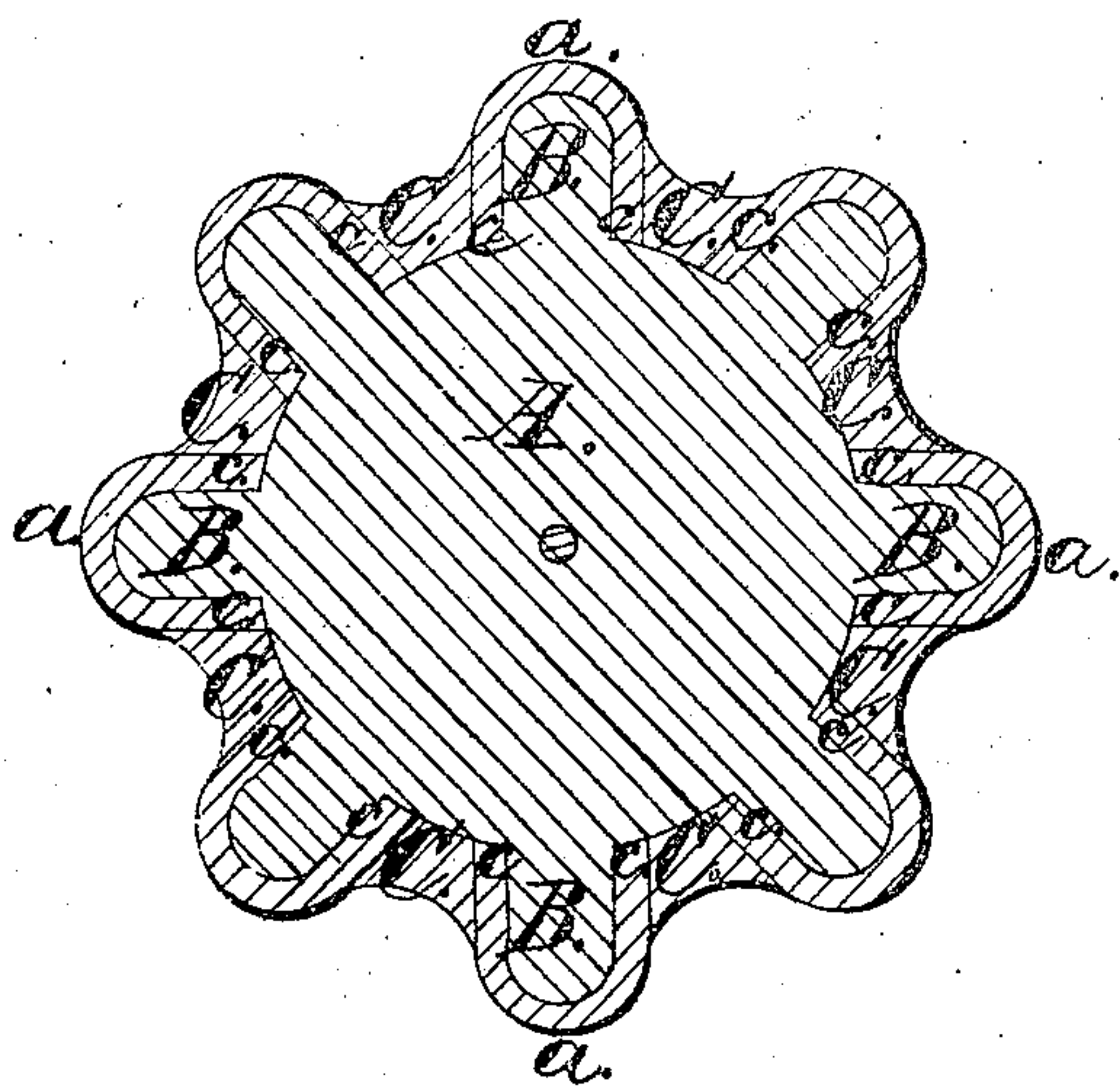


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN DANNER, OF CANTON, OHIO.

ROLLER FOR WASHING-MACHINES.

Specification forming part of Letters Patent No. 50,802, dated November 7, 1865.

To all whom it may concern:

Be it known that I, JOHN DANNER, of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in the Manufacture of Rollers for Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a view of one of the rollers, and Fig. 2 represents an end view or transverse section through the roller.

Similar letters of reference refer to like parts in both of the separate figures.

I am aware that solid rubber longitudinal ribs have been proposed in washing-machine rollers, but from their expense, want of proper rigidity, and difficulty in applying them have never gone into use, and indeed were failures.

My invention consists in using a rubber covering to ribs made of wood or other material, and in the manner of fastening the rubber to the ribs or rollers, by which means I get all the advantage of the rubber as to durability, a proper degree of rigidity by making the core of the rib of wood or other material, and use the rubber in its very cheapest form—viz., in sheets or cloth.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

The roller A is best made of wood, and the ribs B may be formed thereon by cutting away the portions of the wood between them and allowing the ribs to project the proper distance

from the central portion; or a smaller block or cylinder of wood (which would be cheaper) might be used and the ribs B nailed, screwed, or otherwise fastened to the central piece; and these nails or screw-heads, being covered by the rubber, could not stain the clothes by their rust or oxidization. The roller being thus made, the rubber *a* is placed on and drawn down over the ribs B, and the wedge-shaped pieces C are nailed or otherwise fastened down to the roller, holding the edges of the rubber *e* securely to the roller.

The heads of the nails or screws for holding the wedge-pieces C to the core of the roller and the rubber to the ribs should be counter-sunk or cemented over, or both, so as not to stain the clothes.

By this construction I get a very cheap and very efficient roller for washing-machines and other similar purposes, and one which is readily repaired should the rubber wear out or give way, as often happens.

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

A washing-machine roller the ribs of which are covered by sheet-rubber or rubber cloth and which is held to the ribs by the pieces C or their equivalents clamping the edges of the rubber, substantially in the manner and for the purpose herein described.

JOHN DANNER.

Witnesses:

W. W. CLARK,

JAMES J. CLARK.