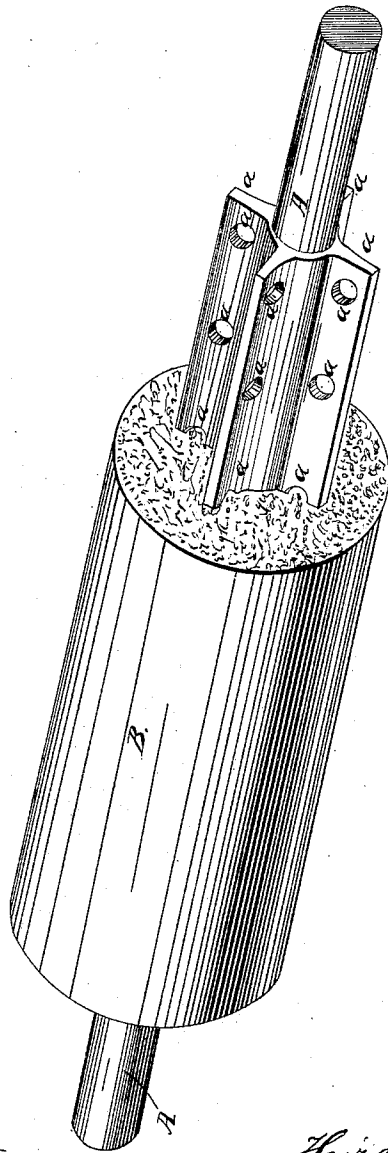


H. Robbins,

Wringer Roll.

N^o 58,027.

Patented Sep. 11, 1866.



Witnesses:

Frank Mellenard
James H. Layman,

Inventor:

Hiram Robbins
By Knight Bros
attys.

UNITED STATES PATENT OFFICE.

HIRAM ROBBINS, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF AND
THOS. H. FOULDS, OF SAME PLACE.

IMPROVED ROLLER FOR WRINGERS.

Specification forming part of Letters Patent No. 58,027, dated September 11, 1866.

To all whom it may concern:

Be it known that I, HIRAM ROBBINS, of Cincinnati, Hamilton county, Ohio, have invented a certain new and useful Improvement in Clothes-Wringer Rolls; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification.

The object of this improvement is a form of the shaft of a customary gum-elastic wringer-roll that shall be secure from turning or shifting with respect to the substance of the roll.

My shaft A is formed with a series of very salient and narrow longitudinal ribs or flanges, *a*, which are pierced by perforations *a*.

The roll proper, B, is cast and vulcanized

upon and around the said shaft, so that its substance enters not alone the flutes or recesses between the flanges, but also the perforations *d*, so as to remain firmly anchored upon the shaft.

I claim herein as new and of my invention—

The elastic roll B of rubber, vulcanized upon the longitudinally flanged or ribbed and perforated shaft A *a a*, substantially as set forth.

In testimony of which invention I hereunto set my hand,

HIRAM ROBBINS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.