

C. F. MOWLL.
Wringer-Rollers.

No. 152,243.

Patented June 23, 1874.

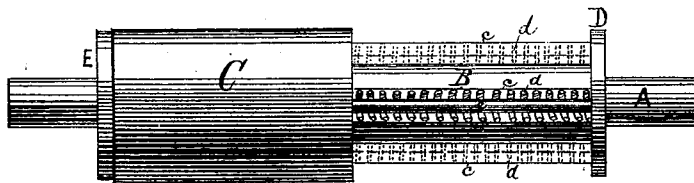


Fig. 1

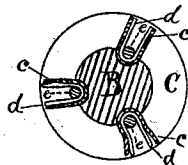


Fig. 2

Witnesses,
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UNITED STATES PATENT OFFICE.

CHARLES F. MOWLL, OF CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN WRINGER-ROLLERS.

Specification forming part of Letters Patent No. **152,243**, dated June 23, 1874; application filed April 18, 1874.

To all whom it may concern:

Be it known that I, CHARLES F. MOWLL, of Cambridge, in the county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Rollers for Wringing-Machines, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a longitudinal sectional view of my improved roller, and Fig. 2 a transverse section of the same.

Like letters refer to like parts in the different figures of the drawing.

My invention relates to the means of securing the rubber to the central shaft; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which much better results are attained than by the methods ordinarily employed for this purpose.

The extreme simplicity of my invention renders an elaborate description unnecessary.

In Fig. 1, B is the shaft; C, the rubber or casing of the roller; D E, the heads or collars, and A the journals. A part of the rubber C is represented as removed in order that the method of attaching it may be more readily understood.

In constructing the roller, the shaft B is fluted or grooved longitudinally, as shown in Fig. 2, and in the grooves are placed long narrow strips of rubber-covered cloth or canvas,

c c. Across these canvas strips are laid short pieces of twine *d d*, the strips and twine being forced firmly into the grooves, and held in position by the wires or rods *e e*, the ends of which are fitted into corresponding holes or sockets in the heads D E, Fig. 1. The framework or body of the roller being thus constructed, the rubber casing or covering C is formed by being molded or "cast on" in the usual manner, the hot rubber attaching itself firmly during the process to the twine *d d* and strips *c c*, by which and the rods *e e* it is prevented from turning or slipping on the shaft B when in use.

I am aware that in the Letters Patent granted to one Bailey, April 29, 1862, numbered 35,072, a roller for wringing-machines is described having a series of rods arranged parallel to the main shaft, for preventing the rubber from turning on the shaft; but said patented roller is essentially different from my invention, and I therefore do not herein claim said rods, broadly, nor anything shown or described in said Letters Patent, when in and of itself considered; but

What I claim is—

A clothes-wringing-machine roller, consisting of the grooved shaft B, strips *c c*, twines *d d*, rods *e e*, heads D E, and casing C, constructed and arranged to operate substantially as and for the purpose set forth and specified.

CHARLES F. MOWLL.

Witnesses:

C. A. SHAW,
H. E. METCALF.