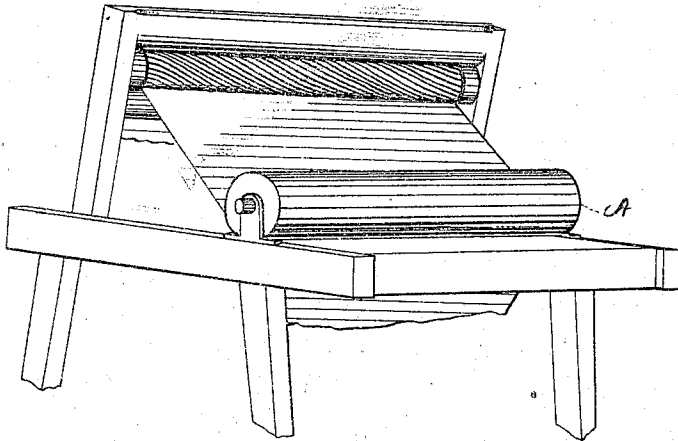


JOHN A. THURSTON.

Improvement in Cloth Shearing Machines.

No. 120,219.

Patented Oct. 24, 1871.



WITNESSES,

Walter B. Vincent
John W. Taylor

INVENTOR,

John A. Thurston

UNITED STATES PATENT OFFICE.

JOHN A. THURSTON, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIMSELF,
THOMAS SAMPSON, AND WILLIAM LANGHOFF, OF SAME PLACE.

IMPROVEMENT IN CLOTH-SHEARING MACHINES.

Specification forming part of Letters Patent No. 120,219, dated October 24, 1871.

To all whom it may concern:

Be it known that I, JOHN A. THURSTON, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Cloth-Shearing Machines; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof.

The drawing contains such parts of a cloth-preparing and shearing-machine as are necessary to show my invention.

It is well understood that in all cloth-shearing machines it is necessary to raise the fiber of the cloth by some suitable means before it comes in contact with the cutter, so that an even surface may be obtained; and for this purpose a revolving brush has heretofore been used.

In my invention I make use of an emery-roller, A, which is attached to the machine and revolves in a manner similar to the brush, and which, not only on account of its firm tough surface, raises the fiber in a manner superior to the brush, but

does what is known among manufacturers as "clearing up" the colors, and renders the usual subsequent process of "gigging," in some cases, entirely unnecessary. To gig the cloth occupies much time and the use of expensive machinery, while the cloth is materially lessened in weight by the process. Thus the machine with my improved emery-roller not only does its work in a far superior manner, but the expense attending the repairing or re-bristling the brush is entirely avoided.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of an emery-roller with the requisite rest and feeding apparatus, for the purpose of enabling the surface of cloths to be thereby preserved for the action thereupon of the appropriate shearing apparatus, in any usual or proper manner.

JOHN A. THURSTON.

Witnesses:

WALTER B. VINCENT,
JOHN D. W. TAYLOR.

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