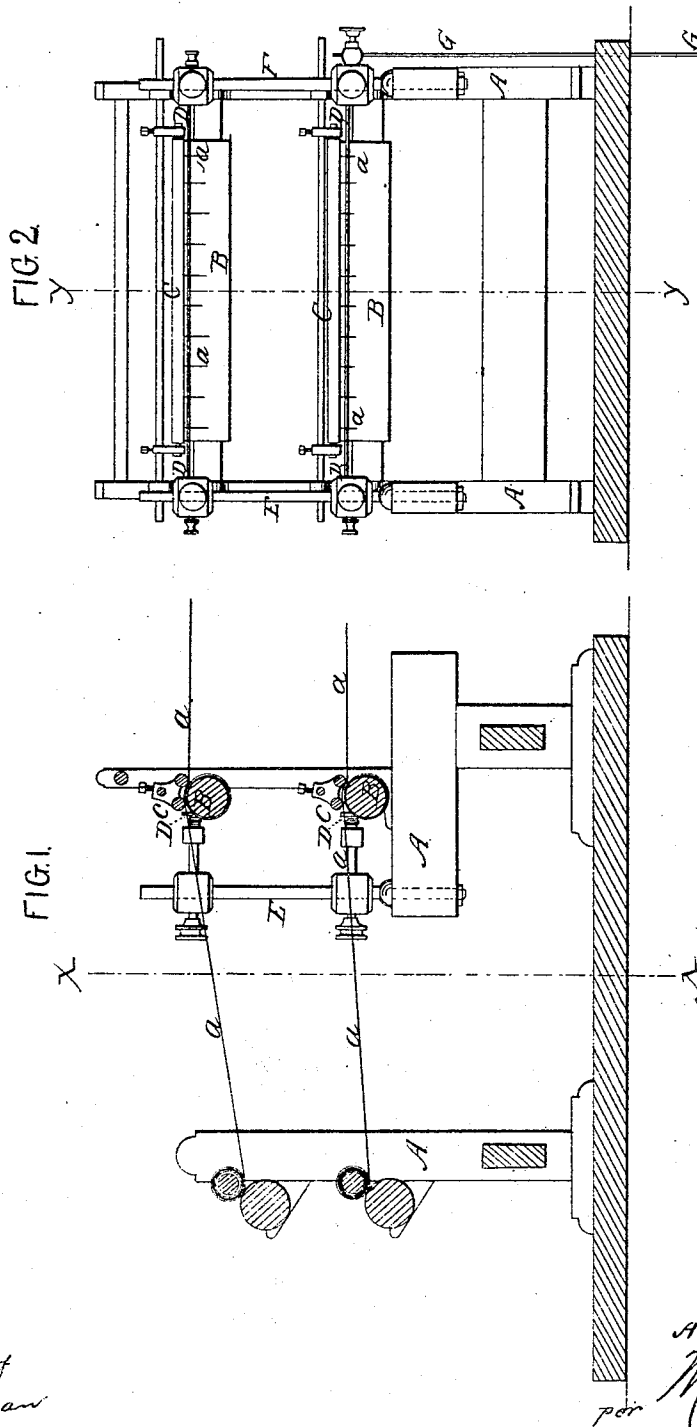


No. 96,102.

PATENTED OCT. 26, 1869.

A. GOODSPEED.

APPARATUS FOR REMOVING ELECTRICITY FROM WOOL IN ROVING MACHINES.



Witnesses,
A. Benckendorf
Wm. A. Morgan

Inventor
A. Goodspeed
per *M. W. R. Co.*
Attorneys

United States Patent Office.

AARON GOODSPEED, OF GRANVILLE, NEW YORK.

Letters Patent No. 96,102, dated October 26, 1869.

IMPROVEMENT IN APPARATUS FOR REMOVING ELECTRICITY FROM WOOL IN ROVING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, AARON GOODSPEED, of Granville, in the county of Washington, and State of New York, have invented a new and improved Attachment to Roving-Machinery for Discharging Electricity; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a vertical longitudinal section of a roving-frame, provided with my improved attachment.

Figure 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to discharge the electricity, which, as is well known, is produced by the reciprocating motion of the rollers of wool and cotton-roving machinery; and

It consists in a particular arrangement of device for effecting that purpose, as will be now described.

A, in the drawing, represents the frame of a roving-machine, of suitable description;

B B are the lower rotating rollers, arranged therein; and

C C are sets of the upper rotating and reciprocating rollers.

The upper as well as the lower rollers are covered with leather, or other soft substance.

The roving *a* is passed between the rollers B C, as shown.

D is a metal rod or wire, extended transversely under or above the roving, close to the rollers, as shown.

It may be of circular or other cross-section; but I prefer it triangular, or otherwise polygonal.

One end of the wire is fastened to a metal or other frame, E, which is simply to support it, while its other end is held in a metallic frame, F, which is connected with a conducting-wire, G, so that metallic connection is established between D and G.

The electricity imparted to the roving is thus transferred to the wire D, which is in contact with the roving, and is thence carried off by the conductor G to moist earth, water, or other suitable equivalent substance.

I claim as new, and desire to secure by Letters Patent—

The combination of the standards E F, the straight wires D, attached to adjustable arms, and the conducting-wire G, with the condensers of a roving-machine, all constructed and arranged as described, for the purpose specified.

The above specification of my invention signed by me, this 2d day of October, 1868.

A. GOODSPEED.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.