

W. A. Lawton,
Carding Machine.
No. 109,634. *Patented Nov. 29, 1870.*

Fig. 1.

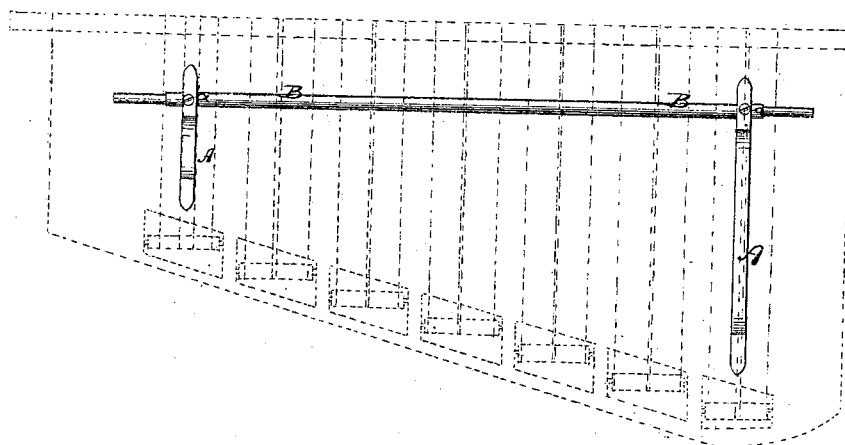


Fig. 2.



Witnesses:
Cres. Nida.
L. S. Mudge

Inventor:
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UNITED STATES PATENT OFFICE.

WALTER A. LAWTON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN FEED MECHANISMS FOR CARDING-MACHINES.

Specification forming part of Letters Patent No. **109,634**, dated November 29, 1870.

To all whom it may concern:

Be it known that I, WALTER A. LAWTON, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Carding-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved attachment. Fig. 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide an attachment to the feed mechanism for carding-engines, whereby the sliver is properly kept on the aprons after having been spread on the same by the traverse.

The invention consists in the application, for that purpose, of fixed bars or arms A A, which are secured to a shaft, B, and made to rest on the sliver at the sides of the frame, and in the middle, if desired. The shaft B is supported on the frame of the machine, and is held stationary thereon. The arms A A, which can be made of metal or other suitable material, with smooth lower edges, and rounded at the lower ends, are adjustably secured

to the shaft, they being held in place by set-screws *a a*, as shown.

The arms are set the requisite distance apart, and then locked. Their lower edges rest on the sliver that is passed by the aprons toward the carding mechanism, and serve to hold the sliver down, so that the same may be prevented from bulging and rising up, and to deliver it into the carding-machine uniformly and evenly.

The drawing shows but two arms, A, for the extremities of the machine. Any suitable larger number may, however, be employed.

Heretofore carding-machines have been provided with complex rotating devices for the same purpose as my attachment. The same were, however, expensive and very difficult to keep in proper repair.

The dotted lines in Fig. 1 illustrate the ordinary arrangement of feeding-aprons.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The stationary arms A A, applied to the shaft B for holding the sliver down upon the aprons of a carding-machine, substantially as herein shown and described.

WALTER A. LAWTON.

Witnesses:

JOHN BAMFORD,
WM. C. WATERMAN.