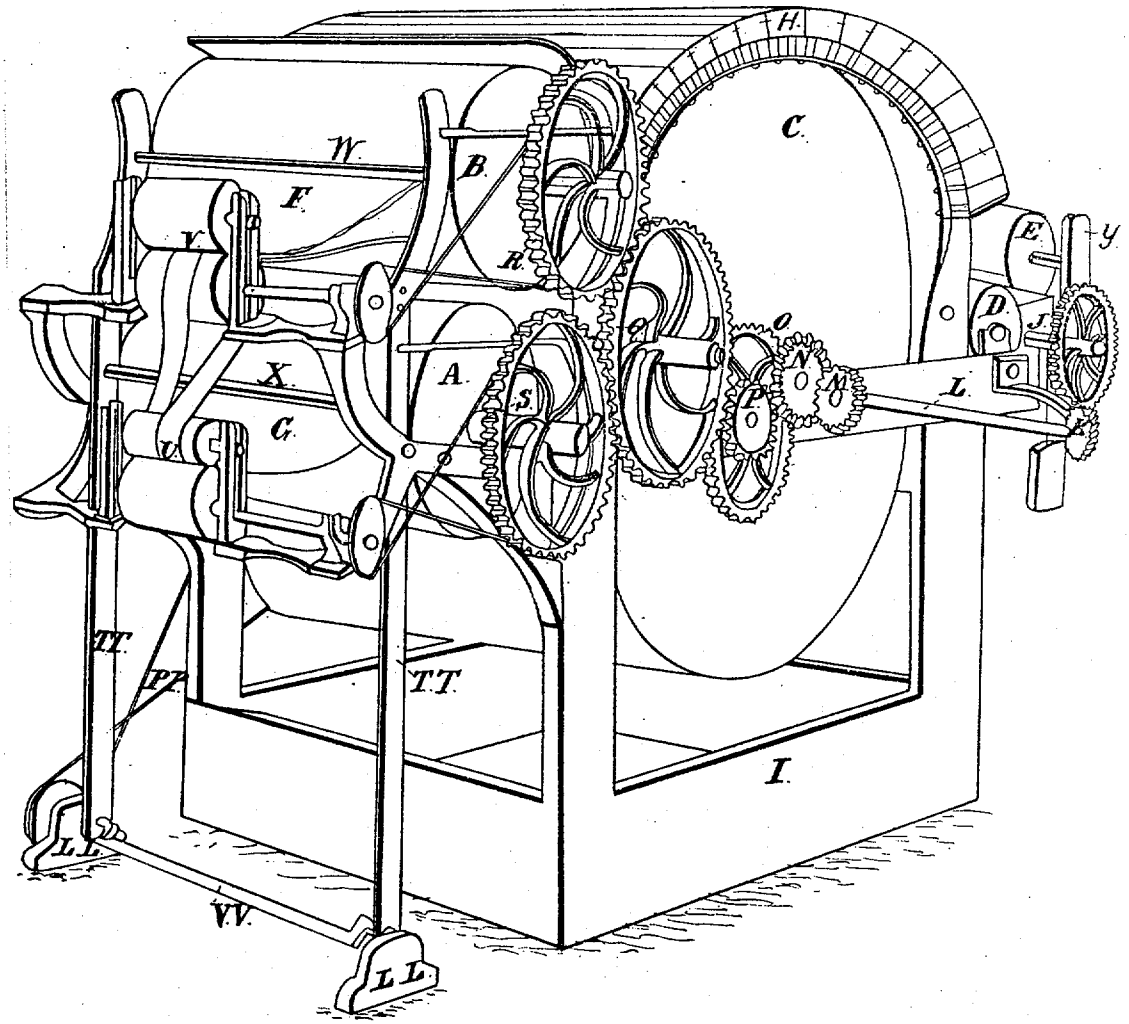
7689X

D. Adams.

Carding Mach.

No 11

Patented Jul. 29, 1833.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

7689X July 29 1833 357

David Adams Richmond Virginia

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said David Adams himself of his Improvement in the Cotton or Wool Carding Machines

To all to whom these Presents shall come Be it known that I David Adams of Richmond in the County of Henrico and State of Virginia have invented a new and useful Improvement in Cotton or Wool Carding Machines & especially in Cotton Carding Machines by adding one or more Doffing Cylinders to said Machine in addition to the one heretofore used whereby one half more work and of a better quality can be done by the Machine in the same time than according to its present Structure & that the following is a full and exact description of the construction and operation of the said Machine wherein or improved by me & which I claim only the advantage of the newly invented or discovered part Viz the Second Doffing Cylinder as indicated on the drawing which accompanies this the description by the Scale A the precise use of which is to keep the Main Cylinder more free from an overload of Cotton or Wool & thereby the Machine is enabled to do one half more work & of a better quality than it can do according to its present Structure. The letter B on the said drawing is a Doffing Cylinder by which the Cotton or Wool is taken off the Main Cylinder C the reason of its being called the Doffer is because the Cotton or Wool being supposed to be carded as well as it can be is now taken or doffed off the Cylinder C But the single Doffing Cylinder B can never take or doff all the Cotton or Wool off the Main Cylinder that ought to be taken off but will be found to happen that a great portion is lost by the Velocity of the Main Cylinder C or rather and what is not so taken off by the single doffer remains on the Surface causing B to encircle round again on the Main Cylinder C which keeps the Cards so foul that they cannot card with the ease desired. The

Invention of this declarant is the addition of a second doffing Cylinder indicated and marked B in the drawing which accompanies the declaration by the letter A which catches & delivers a sheet of Cotton or wool indicated on the same drawing by the letter C and which being taken off at that particular point is the best part of the Carding that can be made. Before the said invention of the said Second Doffer the sheet of Cotton C was on the main Cylinder & could not be taken off in the old way of Carding. The Upper Doffer B does as much work with the same doffer A as it did before its addition and what is done by the lower doffer A is exactly so much additional work done by the Machine.

The advantages to be derived from the use of the additional Doffer are that a Carding Wool or Cotton Machine will do twice as much work with it as it will without it — the work will be much better done there will be much less flying or waste & it will require but a little more power to drive the Machine.

In testimony whereof I have hereunto set my hand and affixed my seal this 20th day of March 1832

Witnesses
Jno Shore
Robert G Scott

Jacob Adams.

Sr en portfolio

Ford
W.G.C.

F660 no 81.