8295X

No Printed Specification Available

2 Sheets—Sheet 1.

S. P. MASON.

COTTON PICKER.

Patented July 8, 1834.

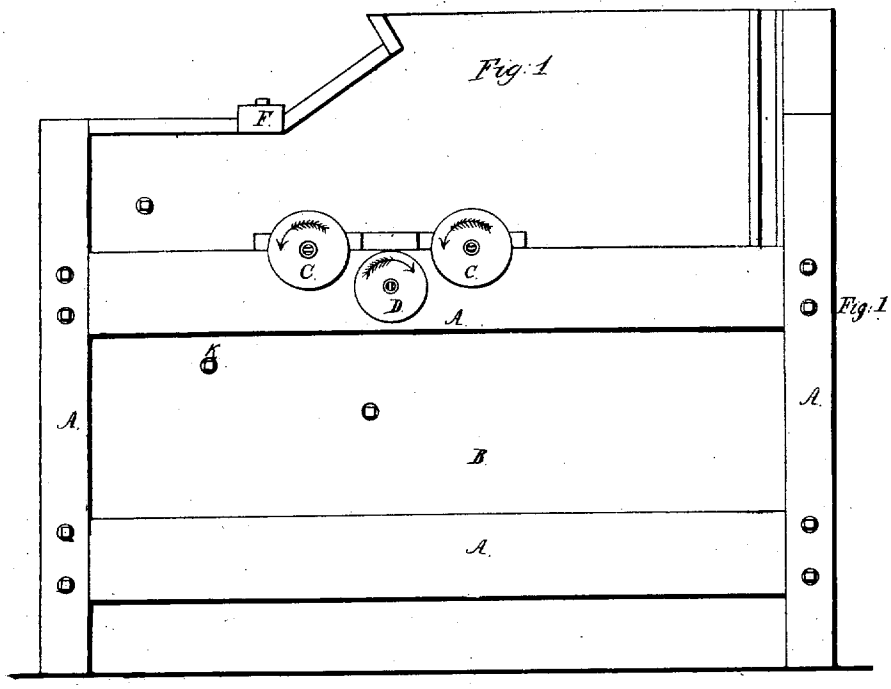
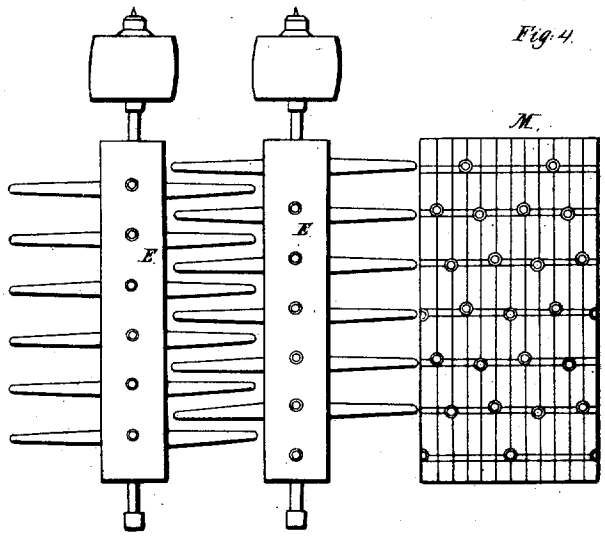


Fig. 1



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Fig. 2.

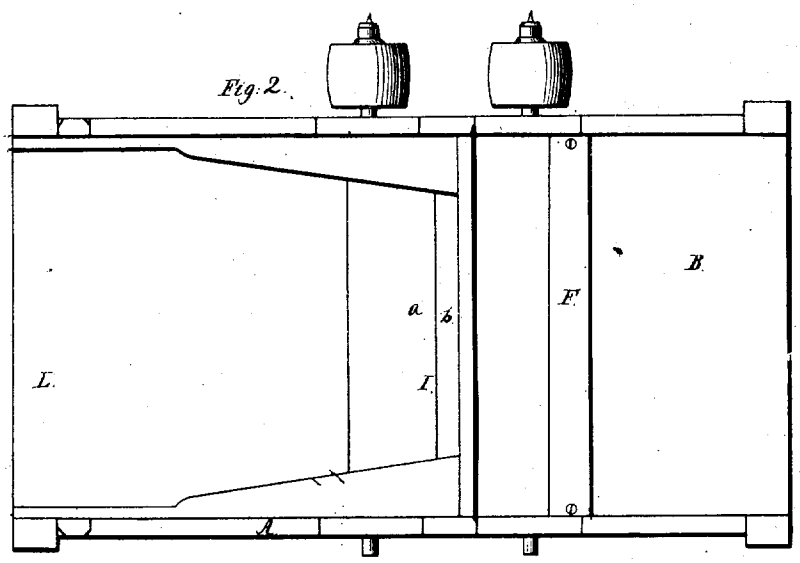
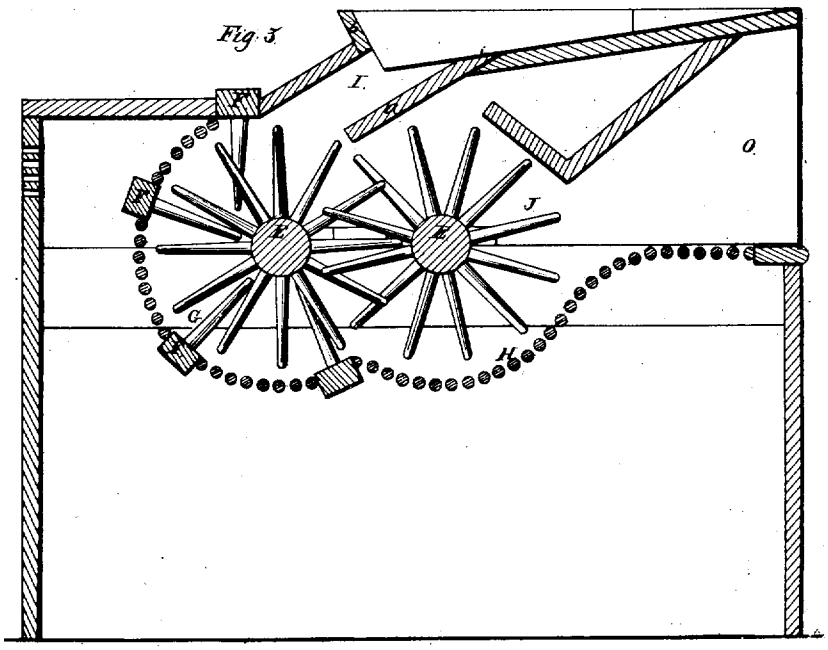


Fig. 3



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July 8 1834

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Samuel P. Mason. Killingly Ct.

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 Samuel P. Mason himself of his improvement in the art of whipping and cleaning Cotton.

To all to whom these presents shall come.

Be it known that I Samuel P. Mason of Killingly in the County of Windham and State of Connecticut have invented a new and useful improvement in the art of whipping and cleaning cotton preparatory to the next operation in the manufacture viz Picking; and that the following inclusive of the plates hereunto annexed is a full and exact description of the construction and operation of the said machine as invented by me Viz

Horizontal Rotary Stationary Cotton Whipper

A machine for whipping cotton and cleaning it from seeds & dirt also for breaking the said bunches very fine, leaving the cotton light and well prepared for Picking described as follows.

Plate 1. Exhibits a vertical projection of the machine A.A.A.A. the frame which may be made of wrought cast iron — B pinnacles which may be fastened to the sides of the frame by means of screws or otherwise — These form the sides of the machine. —

Plate 2. Exhibits the horizontal projection of the machine which is framed with and in which is framed a shaft C between the angular pinnacles a.a.b.b for the purpose of fastening in the cotton which comes in contact with the stationary pins or fingers by means of the orbicles of the Horizontal shafts D.D. as exhibited on Plate 1.

Plate 3. Exhibits a longitudinal section of the machine, Exhibiting the shaft and the pinnacles a.a.b.b as shown on Plate 2. the ends are framed work with the exception of the opening C through

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which the Cotton makes its escape at the end of the drums. At the opposite end of the machine is a door which may be opened at pleasure for the purpose of taking out the dirty seed &c which by the operation of the machine are separated from the cotton and pass through a circular grating BB constructed in order and partly around the two horizontal shafts E.E. said shafts are made of Iron or steel with pins or fingers projecting from them centers any distance that the size of the machine may require and revolve with a velocity of 1500 or 2000 revolutions per minute in the direction of the arrow or pulleys C.C. Plate 1. by means of a belt passing under said pulleys and over binding pulley D.

The journals of the shafts run in brass which are fastened to the side of the frame A as shown on plates 1 & 2.

The pins in the horizontal shafts are so arranged and constructed as to pass very close to corresponding pins or fingers on the four horizontal grates F.F.F.F. which lie on a curve of the frame equi distant from each other and the back shaft by means of which the hard bunches of the cotton are in the process beaten very fine and the dust and seeds separated therefrom and forced through the circular grating while the cotton thus cleaned and whipped is thrown out at the mouth C. Plate 1. M. Exhibits the surface of the shaft on a plane showing the arrangement of the pins which are represented by small circles. G exhibits the manner in which the pins on the shafts play into each other. L is a perspective view of the shaft

Witnesses

Thomas Backus Jun

Thomas Backus.

Samuel F. Mason

6 36 hrs

Drawing