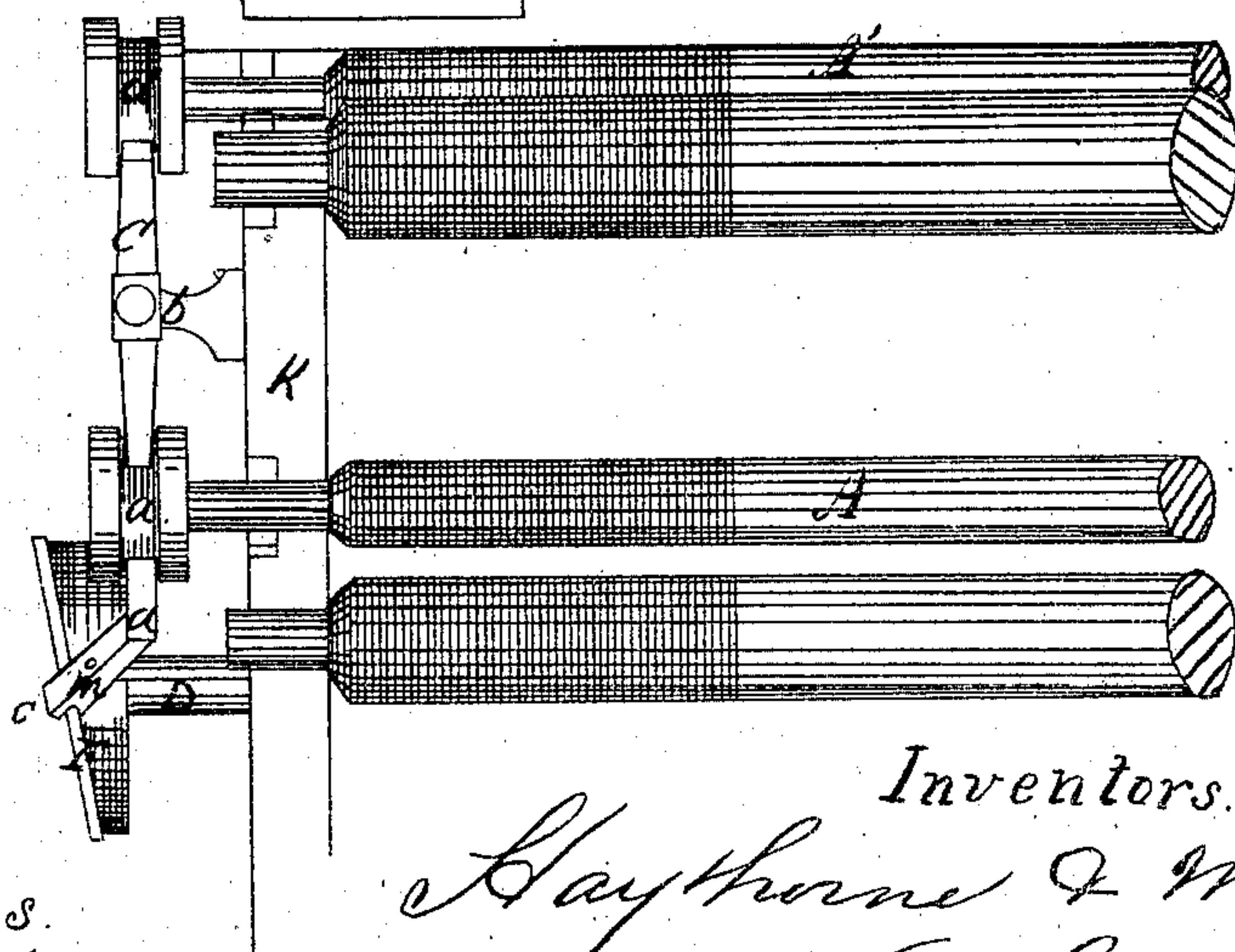
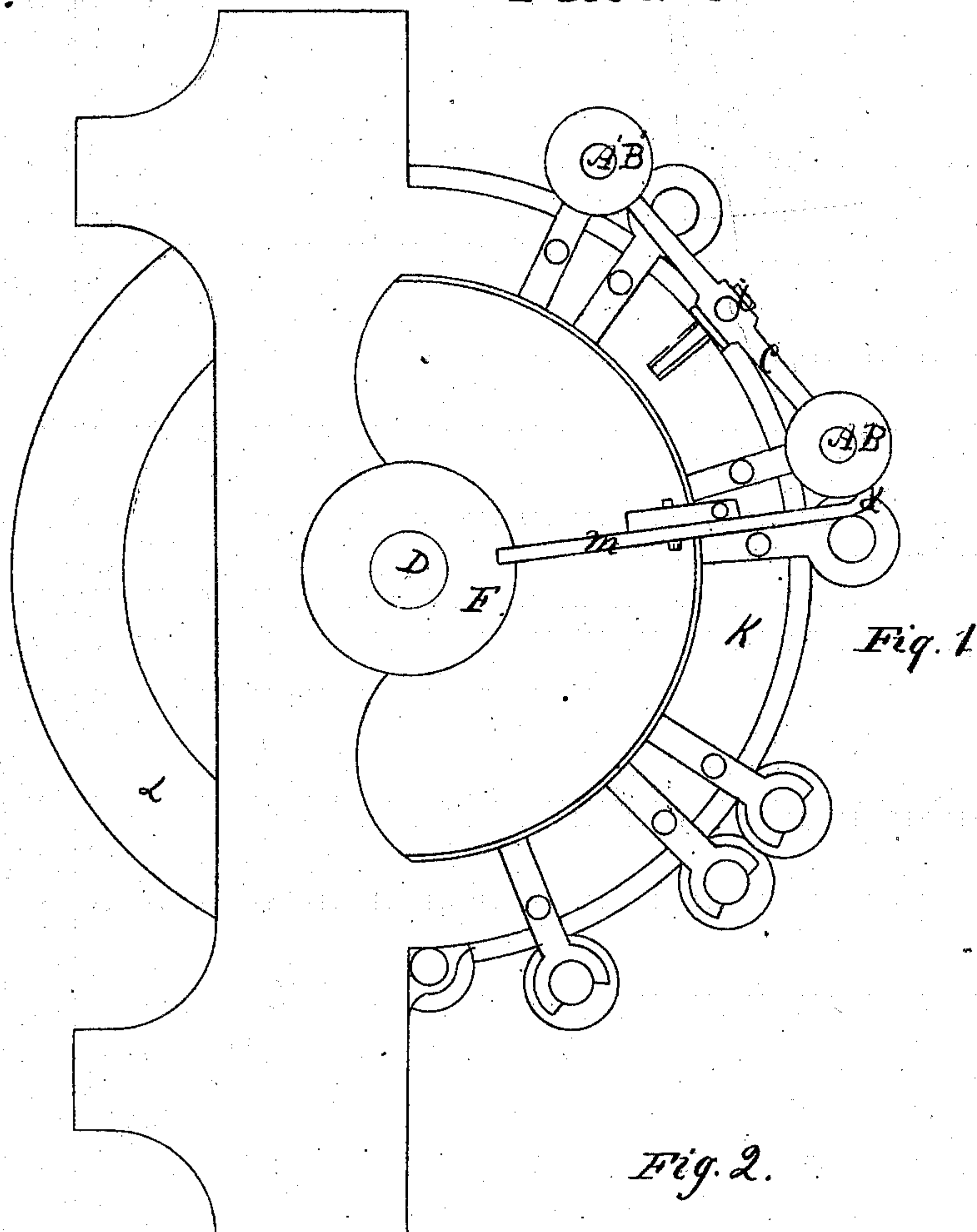


Jos. Haythorn and Jos. Martin.
Carding Mach.

Nº 75,906.

Patented Mar. 24. 1868.



Witnesses.
C. B. Newell
L. L. Davis

Inventors.
Jos. Haythorne & Jos. Martin
by their attys
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United States Patent Office.

JOSEPH HAYTHORN AND JOSEPH MARTIN, OF THOMPSONVILLE, CONNECTICUT.

Letters Patent No. 75,906, dated March 24, 1868.

IMPROVEMENT IN CARDING-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 we, JOSEPH HAYTHORN and JOSEPH MARTIN, both of Thompsonville, Connecticut, have invented a new and useful Improvement in Carding-Machines; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the drawings—

Figure 1 is a side view of a carding-machine having our improvements.

Figure 2 a plan view of improvements as applied to the machine.

This invention consists in imparting a reciprocating motion to the strippers of a carding-machine, so as to more thoroughly distribute the stock from which the threads are formed, besides effecting other important objects which will be hereafter mentioned. These strippers are small carding-cylinders, which, revolving more rapidly than the workers which they are next to, catch or strip the stock from the latter and pass it again to the main cylinder, which they are also in proximity to. They thus perform the function of thoroughly working up the stock. Now, by giving these strippers a longitudinal reciprocating motion, they not only more thoroughly work up the fibre, but more equally spread it over the main cylinder, tearing apart whatever inequalities or bunches may be in it.

In the drawings it is shown that the strippers A A' have small pulleys, B B', upon one end of each respectively. These pulleys have grooves, *a a'*, sunk in their circumferential faces, into which works each end of a lever, C, which is pivoted upon the frame K, at *b*. Upon the shaft D of the main cylinder L is a cam, E, upon which works a lever, *m*, grooved at one end *c*, so as to fit upon the circumferential rim of the cam, and turned at the other or upper end over into an elbow, *d*, which works in the groove *a* of the pulley B. This lever is pivoted at or near the centre to the frame K.

By revolving the shaft D with the cam E, the lever *m* will be worked upon its pivot, thus moving the stripper A laterally in its bearings, which are made so as to allow this motion. This works the lever C upon its pivot *b*, causing the stripper A' to move in the same manner as the one, A, except that the lever C, working on its centre, causes the two strippers to move in opposite directions at the same time.

We do not wish to confine ourselves to this exact method of imparting the motion to the strippers, as the device for operating them may be altered without affecting our invention in its main points. All the strippers of a carding-machine may be operated substantially in the manner shown, and the means used may be also applied to the workers O O O in the same manner.

By this means we obtain an important improvement in the carding-machine, rendering the work much more even, and also causing less waste of stock, the laterally-reciprocating motion of the strippers preventing the same from working off the ends of the strippers, workers, and, in a measure, from the main cylinder, by catching it and carrying it back to the workers or cylinder, as the case may be.

We disclaim, entirely, vibrating or in any way moving the main cylinder, or "fancy," or giving any other motion to either than the ordinary revolving motion.

Now, having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

Imparting a reciprocating motion to the workers or strippers of a carding-machine, substantially in the manner and for the purpose herein shown and set forth.

JOSEPH HAYTHORN,
JOSEPH MARTIN.

Witnesses:

J. B. GARDINER,
E. H. HYDE.