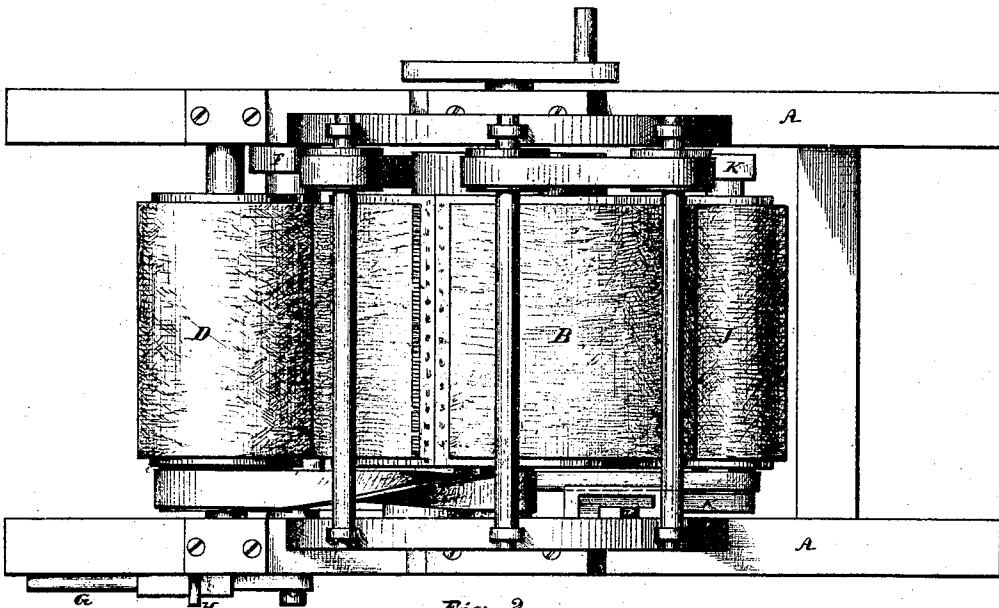
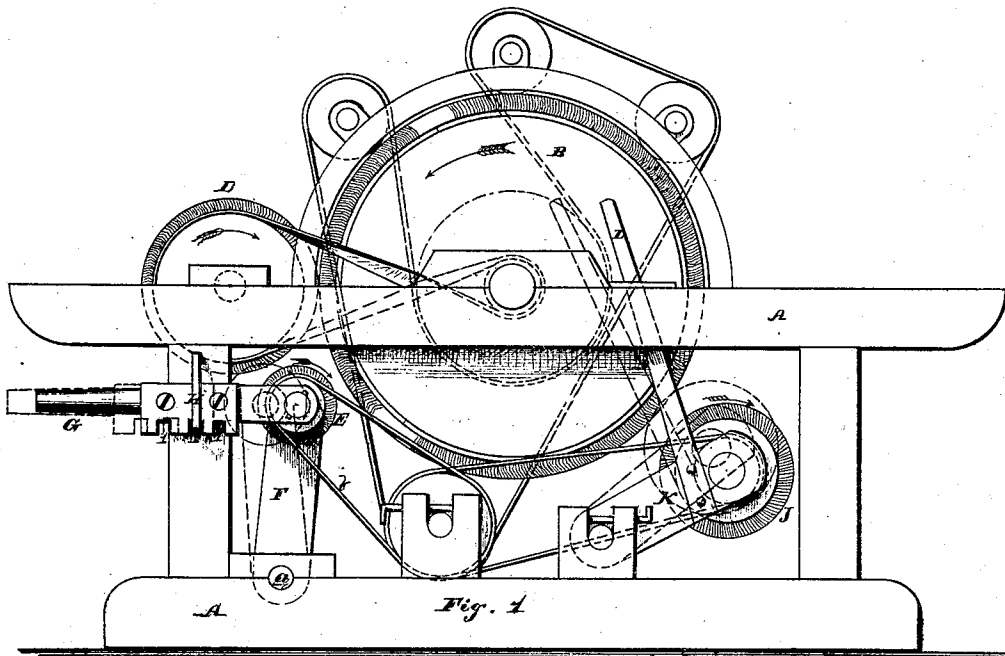


L. M. Cannon,

Carding Mach.

No. 96,884.

Patented Nov. 10, 1869



witnesses
Thos. H. Dodge
A. E. Tince

Fig. 2

Inventor
L. M. Cannon

United States Patent Office.

L. M. CAPRON, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO ALEXANDER BIGELOW AND GEORGE BARBER, OF SAME PLACE.

Letters Patent No. 96,884, dated November 16, 1869.

IMPROVEMENT IN STRIPPERS FOR CARDING-MACHINES.

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

Know all men by these presents:

That I, L. M. CAPRON, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Carding-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents so much of a carding-machine as is necessary to illustrate my improvements, and

Figure 2 represents a top or plan view of the same.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in the combination, with the main carding-cylinder of a breaker or finisher, and its doffer-cylinder, of a stripping or cleaning-cylinder, arranged and operated as will be hereafter explained.

In the drawings—

A is the main frame, upon which the main carding-cylinder B, with its strippers and workers, is to be mounted in the usual manner.

D is the doffer-cylinder, used in connection with the main carding-cylinder B.

Underneath the cylinder B and D is arranged a stripping-cylinder, E, mounted in a swinging frame, F, which turns on rockers or journals *a*, at each side of the card.

The stripping-cylinder E is driven by a belt, *b*, and its speed is faster than the speed of the cylinders B and D, which it is designed to clean or strip.

The direction in which the cylinders move is indicated by the arrows, and it will be observed that the smooth sides of the card-teeth of the stripping-cylinder run against the smooth sides of the teeth on the other cylinders.

Frame F has combined with it a handle, G, provided with a catch-plate having notches I, which catch into the loop H on the main frame, whereby the frame F can be held in position to bring the stripping-cylinder into contact with the main cylinder B, or the

doffing-cylinder D, or in a position so as not to act upon either, as indicated in dark lines, fig. 1.

In applying the invention to the cylinder of a breaker in which a doffing-cylinder, D, is used, I propose to have a binder arranged to take up the slack of the belt *b*, which gives motion to the stripping-cylinder E, when the latter is moved in, to strip and clean the main cylinder B.

In applying the invention to finisher-cards, I find it more convenient to arrange the stripping-cylinder at the rear of the card, as shown in figs. 1 and 2, the stripping-cylinder J, in this case, being supported in a frame, K, journalled at each end, as indicated in the drawings.

Frame K is to have an arm, L, attached to it, whereby the stripping-cylinder J can be moved up, as shown in dotted lines, to clean the cylinder, or thrown back, as shown in full lines, when not in use.

My invention has been applied to practical use, and has been found to work well.

The stripping-cylinder is covered with card-cloth-ing.

In the operation of the stripper, the dirt and bunches are cleaned or stripped from the main and doffer-cylinders in a very perfect manner, and thrown upon the floor, while the short, flying fibres are caught by the teeth of the main cylinder, and are thus utilized.

It is also found that the operation of the stripping-cylinder has a tendency to keep the teeth of the main cylinder and doffer sharp and in proper position.

Having described my improved carding-machine,

What I claim therein as new, and of my invention, and desire to secure by Letters Patent, is—

The combination, with the main and doffer-cylinders of a breaker carding-machine, of an adjustable stripping or cleaning-cylinder E, arranged and operated substantially as and for the purposes set forth.

L. M. CAPRON.

Witnesses:

THOS. H. DODGE,
A. E. PERCE.