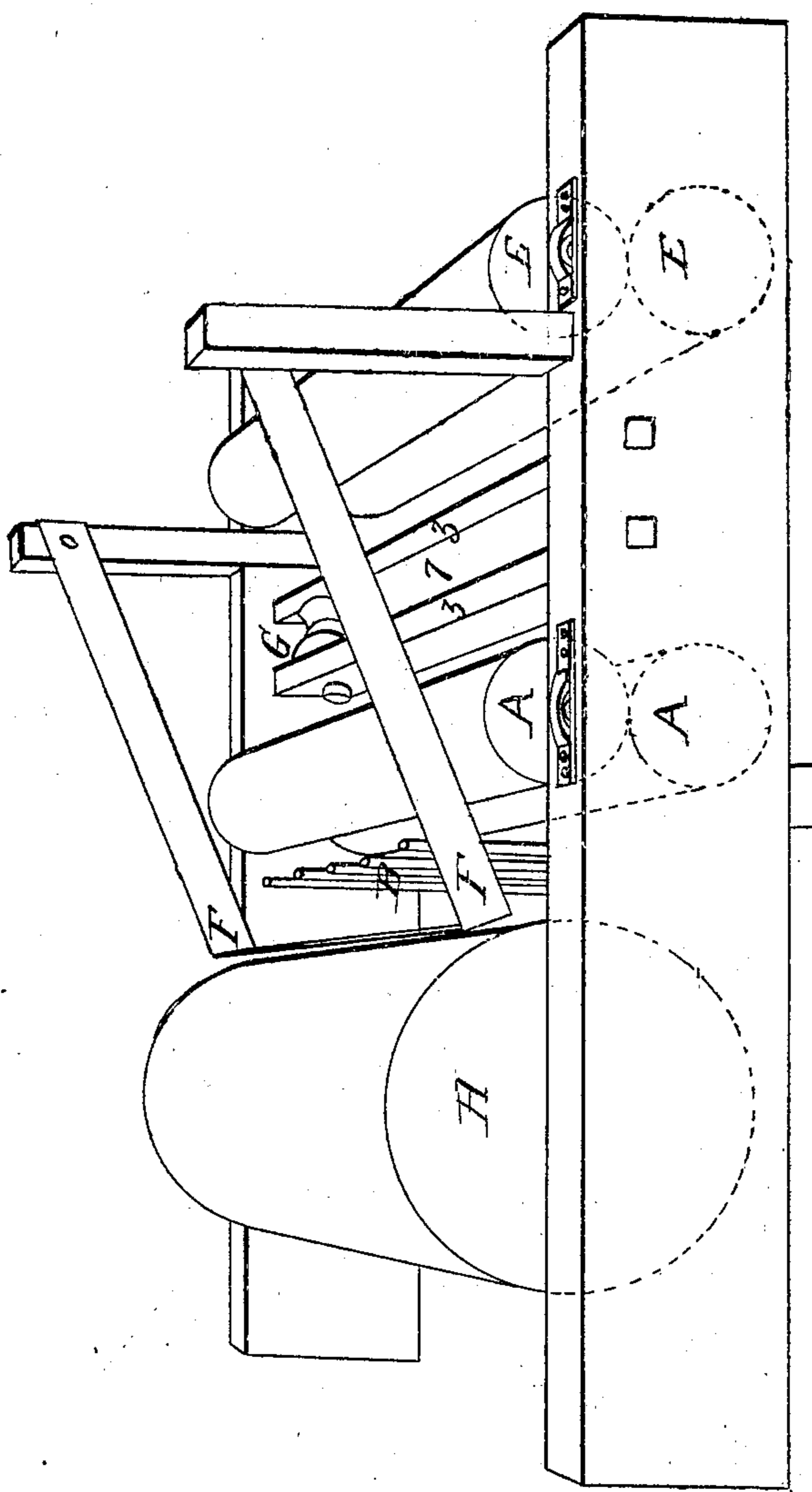


L. L. Cowdy.
Carding Mach.

Nº 2,311.

Patented Oct. 11, 1841.



UNITED STATES PATENT OFFICE.

LEVI L. GOWDY, OF MONTGOMERY, NEW YORK.

IMPROVEMENT IN THE CONDENSER OF THE WOOLEN CARDING MACHINE.

Specification forming part of Letters Patent No. 2,311, dated October 11, 1841.

To all whom it may concern:

Be it known that I, LEVI L. GOWDY, of the town of Montgomery, in the county of Orange and State of New York, have invented a new and useful Improvement in the Condenser of the Woolen Carding Machine, of which the following is a full and exact description.

The nature of my invention consists in the application to the condenser of the woolen carding machine of a series of separators, in combination with two rollers placed between the tubes and card, for the purpose of preventing the roping or strands from being twisted together.

To enable others skilled in the art to make and use my invention, I will proceed to give an accurate description of its construction and operation.

I construct my condensers in any of the known forms where the tubes and comb are used; but to prevent the strands of roping from being twisted together I place my tubes, as seen at G in the accompanying drawing, about three inches farther from the card, as seen at H, than they are usually placed, for the purpose of giving room to the two rollers A A and the separators B. These separators stand in a vertical position in the center of the space between the roping or strands corresponding in number to the number of spaces, and are secured to a piece of wood or metal placed parallel with the card and about midway between the cards and tubes, secured to the sides of the frame of the carding-machine.

The rollers A A are placed in close contact with the separators, lying in a horizontal position, the upper roller resting on the lower one and driven by the friction of the lower roller. These rollers are placed between the separators and the tubes, extending the whole width of the machine about three inches in diameter, and move about the same speed of the draw-rollers E E, which draw the roping through the tubes.

The rollers A A may be made of wood or metal, as also the separators.

The object of the separators is to part the fibers of wool which may connect the strands, and which would otherwise cause them to be twisted together.

The object of the rollers is by passing the wool through them to draw the fibers of wool from the separators which may accumulate upon them.

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

The application to the condenser of the woolen carding machine of a series of separators, in combination with two rollers placed between the tubes and card, for the purpose of separating the strands or roping and preventing them from being twisted together.

Dated this 23d day of April, A. D. 1841.

L. L. GOWDY.

Witnesses:

CORNELIUS NEAFIE,
D. B. TEARS.