

L. CHEETHAM.

Improvement in Roller Clearers for Spinning Machines.

No. 120,037.

Patented Oct. 17, 1871

Fig. 1.

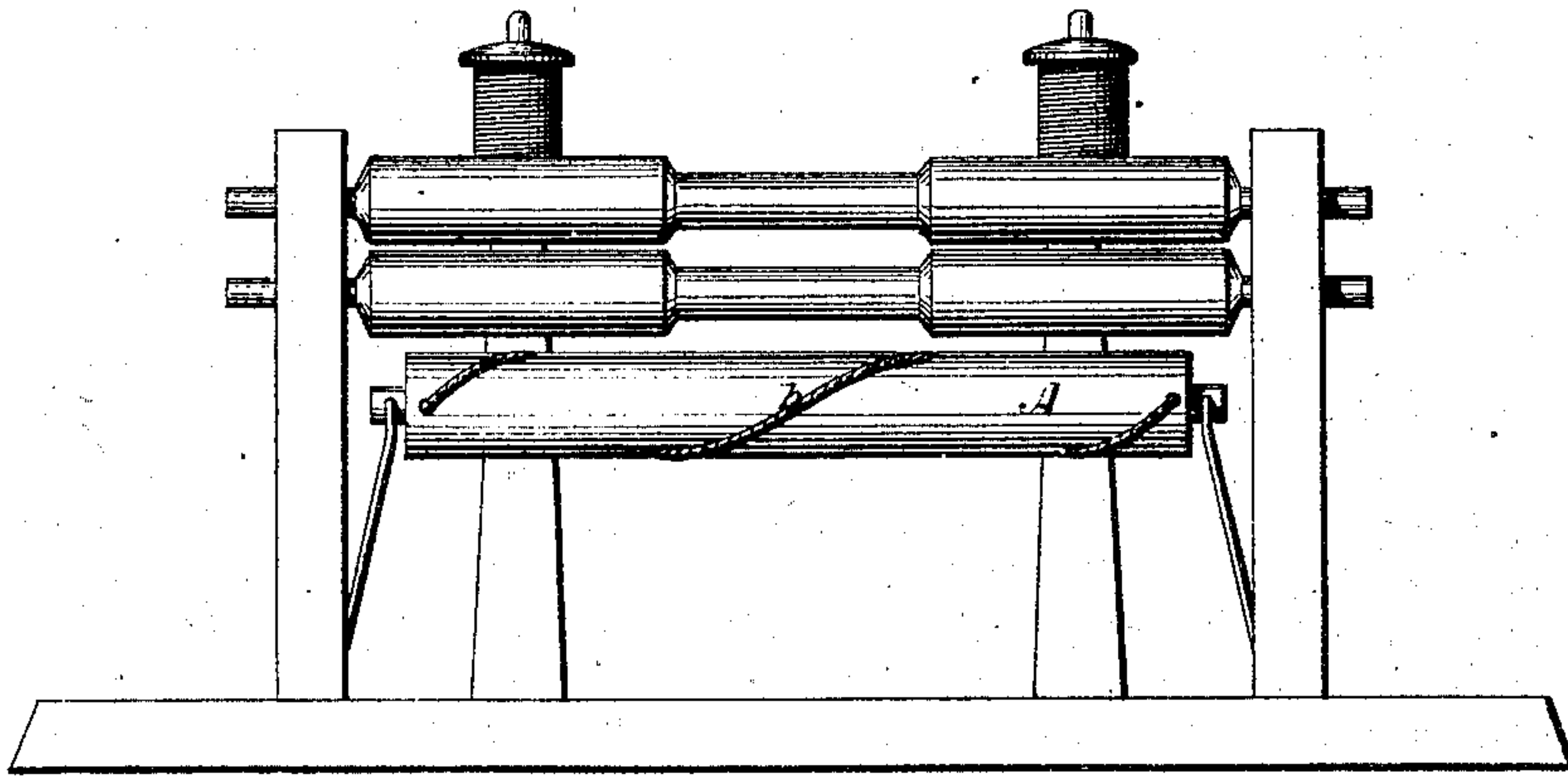


Fig. 2.

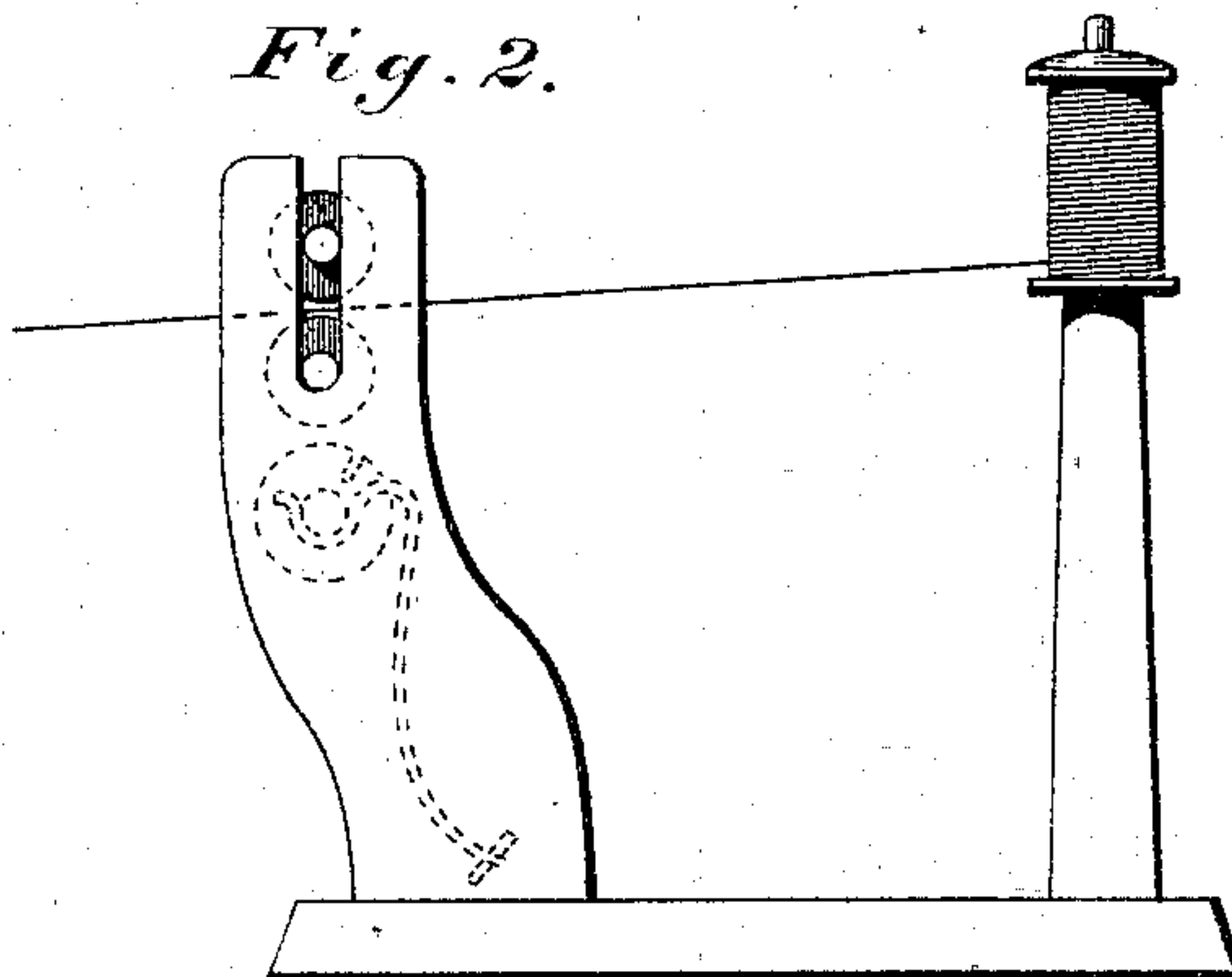
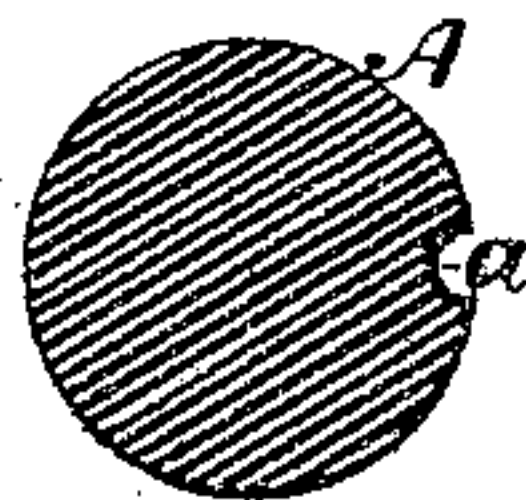


Fig. 3.



Witnesses.

C. F. Brown.
P. J. Hayes.

Inventor.

L. Cheetham
by H. W. Beadle

Atty.

UNITED STATES PATENT OFFICE.

LINNEUS CHEETHAM, OF LEWISTON, MAINE.

IMPROVEMENT IN ROLLER-CLEARERS FOR SPINNING-MACHINES.

Specification forming part of Letters Patent No. 120,037, dated October 17, 1871.

To all whom it may concern:

Be it known that I, LINNEUS CHEETHAM, of Lewiston, in the county of Androscoggin and State of Maine, have invented a new and Improved Scavenger-Roll for Spinning-Machines; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention has for its object the production of a scavenger-roll for spinning-machines which shall be cheaper in its construction and more durable than the ordinary roll; and consists broadly in providing the roll with grooves, in which are placed woolen cords or their equivalents, as will be fully described hereinafter.

In the drawing, Figure 1 represents a front elevation; Fig. 2, a side elevation of a frame having my improved roll; and Fig. 3, a section of the roll detached.

To enable others skilled in the art to make and use my invention, I will now proceed to describe in detail its construction.

A represents the scavenger-roll, preferably made of wood, which is provided with the grooves *a*, preferably arranged spirally about the roll, as shown. In each groove is laid a woolen cord, *b*, held in any proper manner, but preferably secured by means of pegs driven into holes at the

ends, as shown in Fig. 2. The position of the roll relatively to the other parts of the spinning-frame and its mode of operation are the same as those of the ordinary roll, and they need not, therefore, be particularly described here.

The advantages of this construction are as follows: The cotton that accumulates upon the scavenger-roll must often be cleared away by means of a knife, and when constructed in the ordinary manner this operation soon renders the roll unfit for use. With my improved roll, however, the cotton may be cut away by using the knife between the grooves without injury to the woolen cord, and even if the latter is cut away at any time it may be replaced at a trifling cost, while replacing the cloth in the old form of roll is a matter of considerable expense.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A scavenger-roll provided with grooves filled with woolen cord or its equivalent, as described.

This specification signed and witnessed this 7th day of August, 1871.

LINNEUS CHEETHAM.

Witnesses:

JOHN B. COTTON,
S. G. FRENCH.

(142)