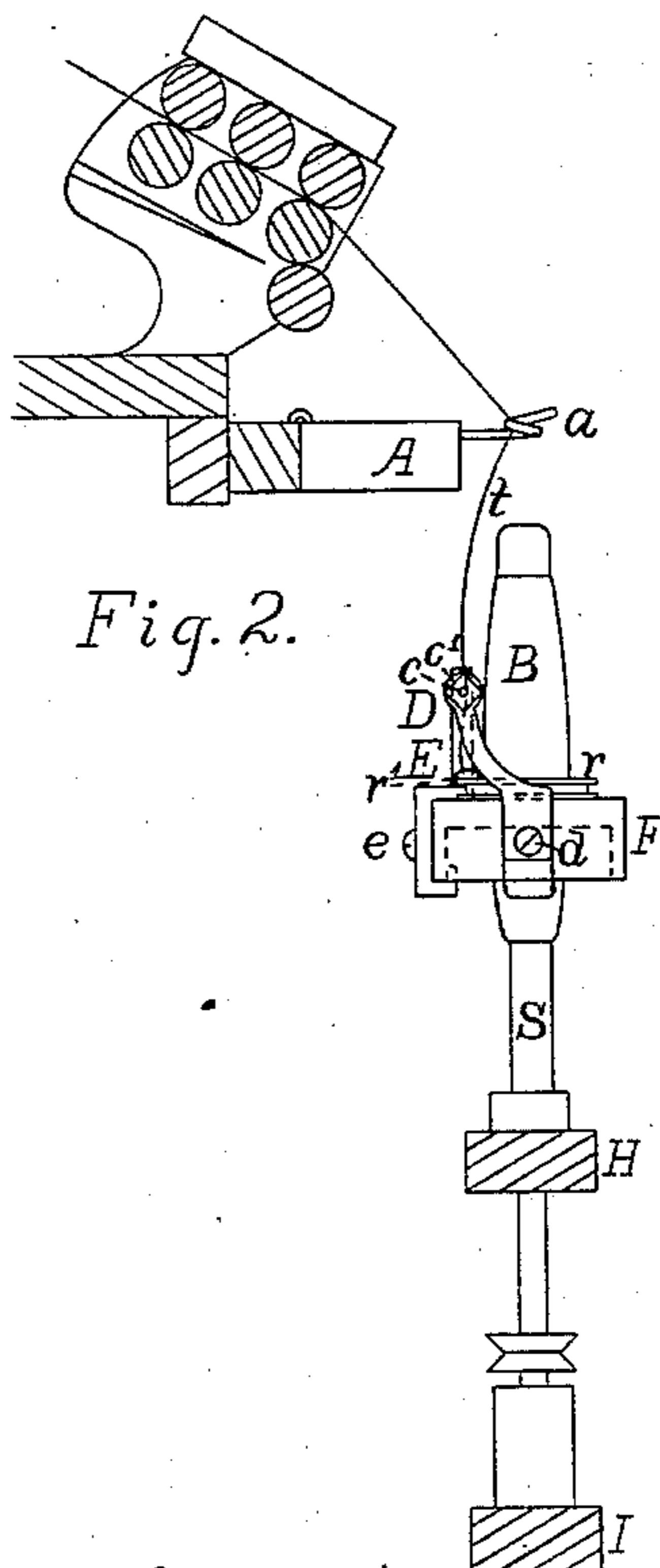
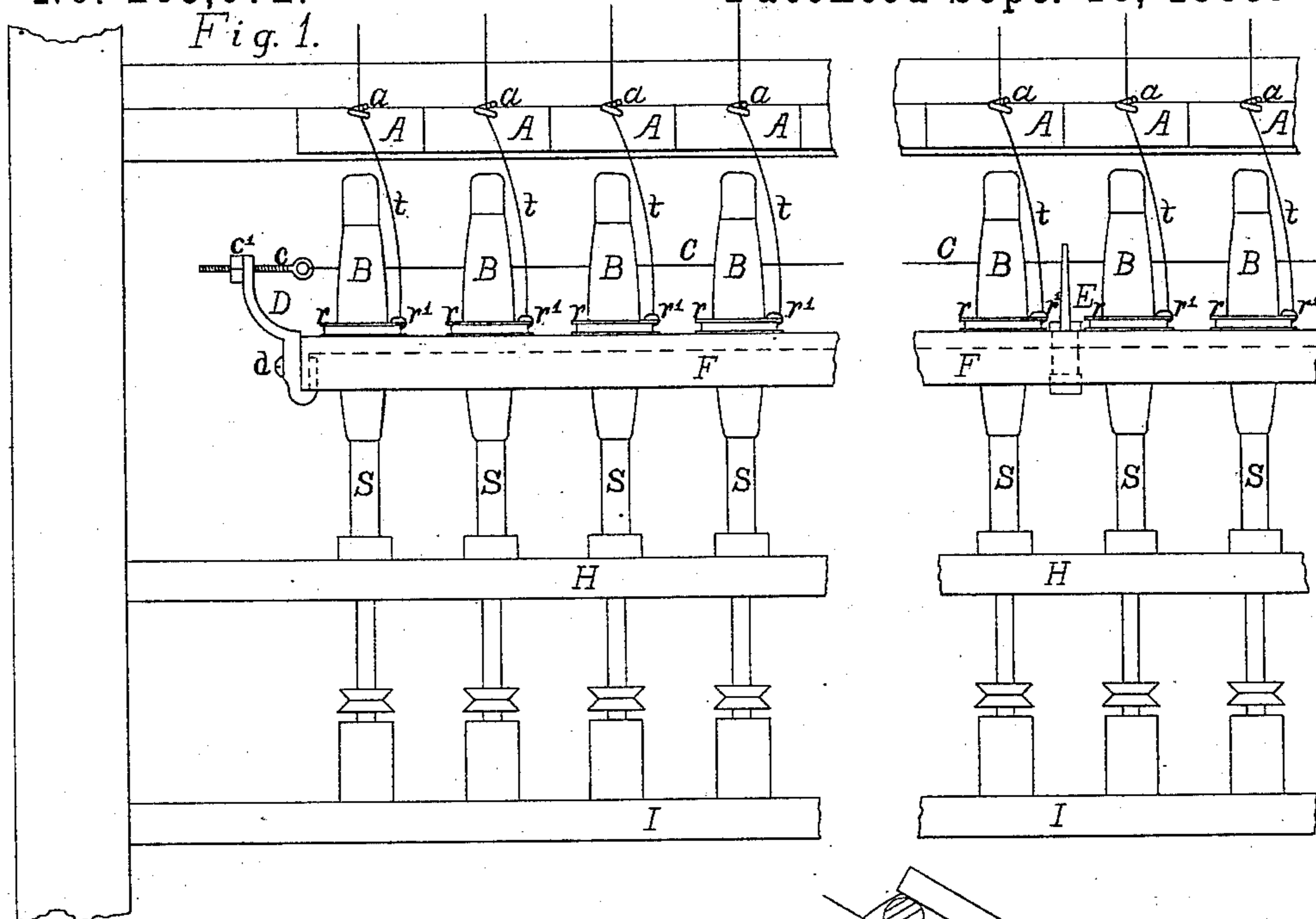


(No Model.)

M. PRESCOTT.  
THREAD GUARD FOR SPINNING MACHINES.

No. 285,072.

Patented Sept. 18, 1883.



Witnesses:  
G. H. Brainard.  
John F. Remond

Inventor:  
Morrill Prescott,  
Per H. K. Hawes,  
Attorney.

# UNITED STATES PATENT OFFICE.

MORRILL PRESCOTT, OF HOLYOKE, MASSACHUSETTS.

## THREAD-GUARD FOR SPINNING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 285,072, dated September 18, 1883.

Application filed January 25, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, MORRILL PRESCOTT, a citizen of the United States, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented a certain new and useful Improvement in Thread-Guards for Spinning-Machines, of which the following is a specification, reference being also had to the accompanying drawings, forming a part thereof.

My invention relates to spinning machinery; and the object of my invention is to increase the tension of the threads between the bobbin on the spindle and the friction-rod, and so prevent adjacent threads from whipping together.

Figure 1 of the drawings is a front elevation of a portion of a spinning-frame with my invention attached. Fig. 2 is a partial sectional side elevation of a portion of a spinning-frame with my invention attached. Fig. 3 is an enlarged view of the yarn-friction rod which constitutes my invention.

A is the hinged block to hold the wireguide *a*. B B are bobbins. C is the yarn-friction rod. D is the stand to support the yarn-friction rod, and is fastened to the end of the ring-rail. E is a stand at the center of the ring-rail to support said rod. F is the ring-rail, H the bolster-rail, and I the step-rail. S S S are spindles. *a* is the thread-guide. *c* is the threaded tension-bolt. *c'* is the nut on same. *d* is the set-screw fastening the stand D to the ring-rail, and *e* the set-screw fastening the

stand E to said rail. *r* are the rings, *r'* the travelers, and *t* the threads.

In the drawings similar letters indicate similar parts.

My invention consists, generally, of the horizontal rod C, parallel with and running lengthwise of the ring-rail, composed of two or more wires twisted together to form a corrugated surface, and arranged so near to the spindles that the threads, when whipped out by the centrifugal force of revolution, will touch upon the surface of the yarn-friction rod, and the tension of the thread between said rod and the traveler be thereby increased.

I am aware that a rod having a plain surface and located horizontal to the ring-rail, and a similar rod crimped or bent in zigzag form, have heretofore been used, and do not claim such as of my invention. In the former no corrugations exist, and in the latter the undulations of the rod are liable to be reduced by the necessary tension employed to keep the rod in proper line.

I claim as my invention—

The combination of the ring-rail F, brackets D, tension-bolts *c*, nut *c'*, thread-guides *a*, rings *r*, travelers *r'*, and the tension-rod C, composed of two wires twisted together, substantially as shown and described.

MORRILL PRESCOTT.

Witnesses:

JOHN J. REARDON,  
G. W. BRAINERD.