

J. GARRETT.

TRAVERSE MOTIONS FOR GUIDE-WIRES OF SPINNING-MACHINES.

No. 188,121.

Patented March 6, 1877.

Fig. 1 y

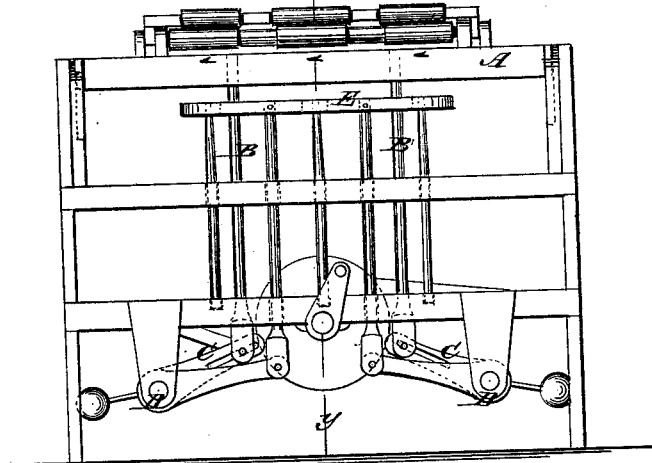


Fig. 2.

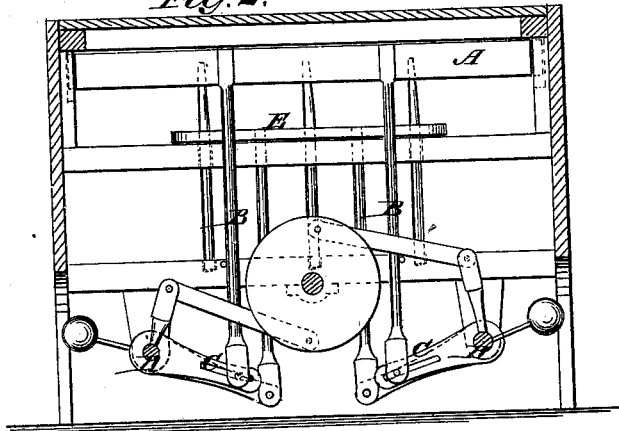
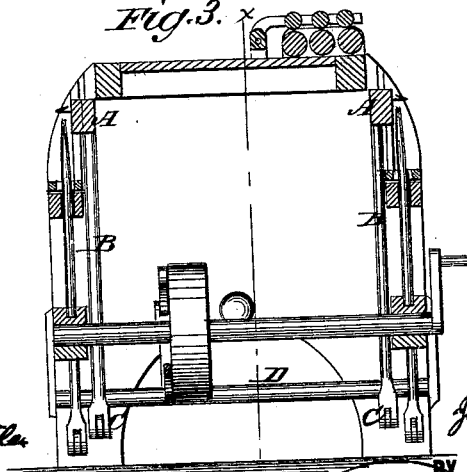


Fig. 3. x



WITNESSES:

Francis M. Cutler  
John Kemou

INVENTOR:

Joseph Garrett  
BY [Signature]

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOSEPH GARRETT, OF CHESTER, PENNSYLVANIA.

IMPROVEMENT IN TRAVERSE-MOTIONS FOR GUIDE-WIRES OF SPINNING-MACHINES.

Specification forming part of Letters Patent No. **188,121**, dated March 6, 1877; application filed January 26, 1877.

*To all whom it may concern:*

Be it known that I, JOSEPH GARRETT, of Chester, in the county of Delaware and State of Pennsylvania, have invented a new Improvement of Traverse-Motions for Guide-Wires of Spinning-Machines, of which the following is a specification:

My invention consists of the wire-board traverse connected to the spider-shafts independently of the ring-rail, whereby its traverse can be regulated at will, by which a more equal friction on the yarn can be maintained to make the twist more even, the labor less, and the wear on the rings less.

Figure 1 is a side elevation of a portion of a spinning-frame with my improved traverse-motion. Fig. 2 is a sectional elevation taken on line *x x* of Fig. 3; and Fig. 3 is a section taken on the line *y y*, Fig. 1.

A is the wire traverse-board, which I mount

on the vertically-movable rods B, which I connect at their lower ends with the arms C of the spider-shaft D, instead of connecting it to the ring-rail, as heretofore, whereby its traverse may be varied at will relatively to the traverse of the ring-rail, in such manner that the tension and friction on the yarn can be equalized. The rods B are connected to the arms in slots in the latter, whereby the traverse can be varied.

Having thus described my invention, what I claim as new is—

The wire-board traverse A of a spinning-machine, connected to the spider-shaft arms C, to traverse independently of the ring-rail, substantially as specified.

JOSEPH GARRETT.

Witnesses:

AMOS W. HART,  
PETER BEAUMONT.