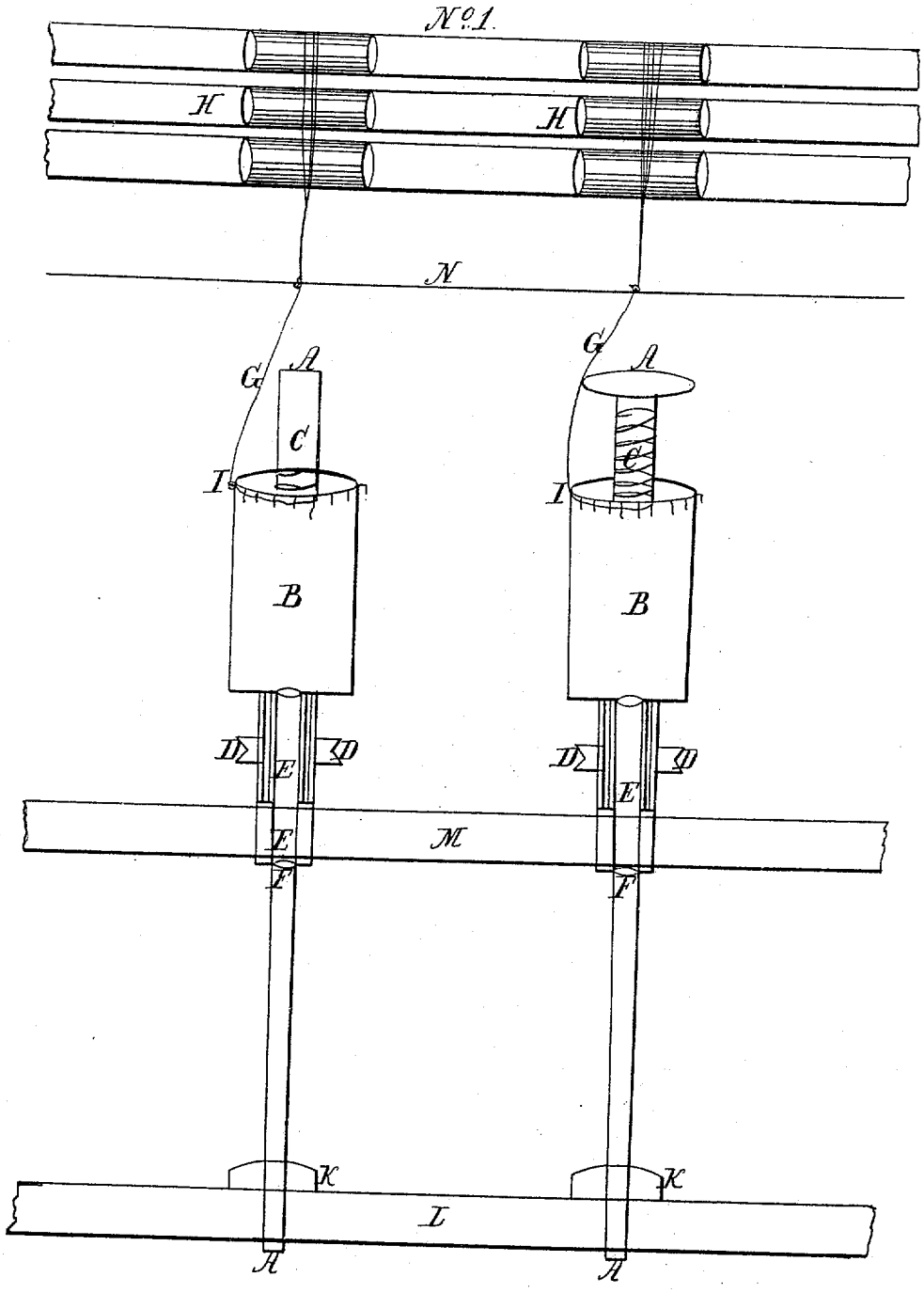
9638X

S. Ladd.

Spinning Flyer.

Patented May 6, 1836.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C

May 6. 1836

9638X

Samuel Ladd of Waltham, Massachusetts

Letters Patent

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Samuel Ladd himself of his improvement in the Hollow cylinder Flyer for manufacturing roving, yarn and thread

To all to whom these presents shall come,

Be it known that I Samuel Ladd of Waltham in the County of Middlesex and State of Massachusetts have invented a new and useful improvement in the method of manufacturing roving yarn and thread by the use of the hollow cylindrical flyer which has not been heretofore known or used and that the following is a full and exact description thereof.

The drawing hereto annexed numbered 1. represents the Machinery used for manufacturing roving yarn and thread the part of the drawing No. 2. A. A. represents a perpendicular spindle around which the hollow cylindrical Flyer revolves B. the flyer D, D, the whirl, to receive the band, or belt which causes the flyer to revolve E, the part contiguous to the tube called the bushing with which the flyer revolves F a cylindrical tube, on which the bushing runs likewise the bushing revolves around the tube which passes through the bushing P. represents the roving, yarn or thread passing down through the rollers H, H. and the guides N. N. and also the guide or hook I. on the top of the flyer and around the top sufficient to give the required draft on to the spool C, M. M. represents a stationary rail in which the tube is fixed. L. L. a moveable rail to set over and take the spool C, & K a weight to keep the spindle in it place. What I claim as my own invention and not previously known in the above machine are the two

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B. and C. (the flyer and bushing) Styles. Ladd Patent hollow cylindrical flyer, and can be made of wood or metal, substance, likewise the application of the tube on which the bushing sets and around which said bushing revolves.

Witness
Edwd. Moore
Samuel Parry

Samuel Ladd

Ex. Mgt.

Drawings