(12) **United States Patent**
**Eddy**

(10) **Patent No.: X9372**
(45) **Date of Patent: Feb. 10, 1836**

(54) **SPINDLE AND FLYER FOR TWISTING, ROPING, AND YARN OF COTTON HEMP OR FLAX**

(76) Inventor: **Willard T. Eddy**

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9372X Willard L. Eddy. 2-10-1836

# 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 Willard L. Eddy, himself of his improvement in the Spindle and Flyer for twisting roping and yarn of cotton, hemp or flax

Be it known that I, Willard L. Eddy, of the Town of Athens in the County of Columbia and State of New York, have made an improvement in the Spindle and Flyer for twisting roping and yarn of Cotton, hemp or flax, which is described as follows, reference being had to the annexed drawings of the same, making part of this Specification. Viz. the Flyer marked A, is fastened on the end of a tube B, separate from the Spindle C. The Spindle C is placed in a line with the centre of the tube B, having the end of the Spindle which is withdrawn from the tube made round and flat as represented at D. with a round hole in its centre, through which passes a round pin or axle E, on which it turns, this axle being fixed in the head of a standard E. divided at its upper part, between which the flat end of the Spindle is placed and and works in the manner of a joint. This standard is fastened to a carriage which has a reciprocating motion produced by a bevel wheel or otherwise for taping the thread evenly on the Spool. F. A Spring F. is fastened to the standard and bears against the end of the Spindle for keeping it in its place. Viz another Spring G. is fastened to the opposite side of the standard is made to bear against the washer H for keeping them close to the end of the Spool I. the other end of the Spool bearing against a washer K secured by a pin passing through the end of the Spindle Viz A groove L is fixed to the Flyer at the head near the hook

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through which the thread is passed, in order to keep it from contacting the head of the spool. 6th A pulley all is fixed on the tube of the flyer. 7th The tube of the flyer turns in the head of a forked standard A fastened to the frame.

8th The roving after leaving the drawing cylinders passes through the tube, then through the eye, and then through the coil at the end of the flyer to the spool around which it is wound. Motion is given to the spindle by the band passing around the pulley, which with the motion of the spool & the drawing cylinders gives the necessary twist to the thread. The traversing motion of the carriage at the same time laying it evenly over the spool. When the spool is full the spring is drawn back from the end of the spindle. The spindle turned out of the eye of the flyer. The filled spool removed and an empty one put in its place; the spindle is then turned down to its proper position and the operation continued as before.

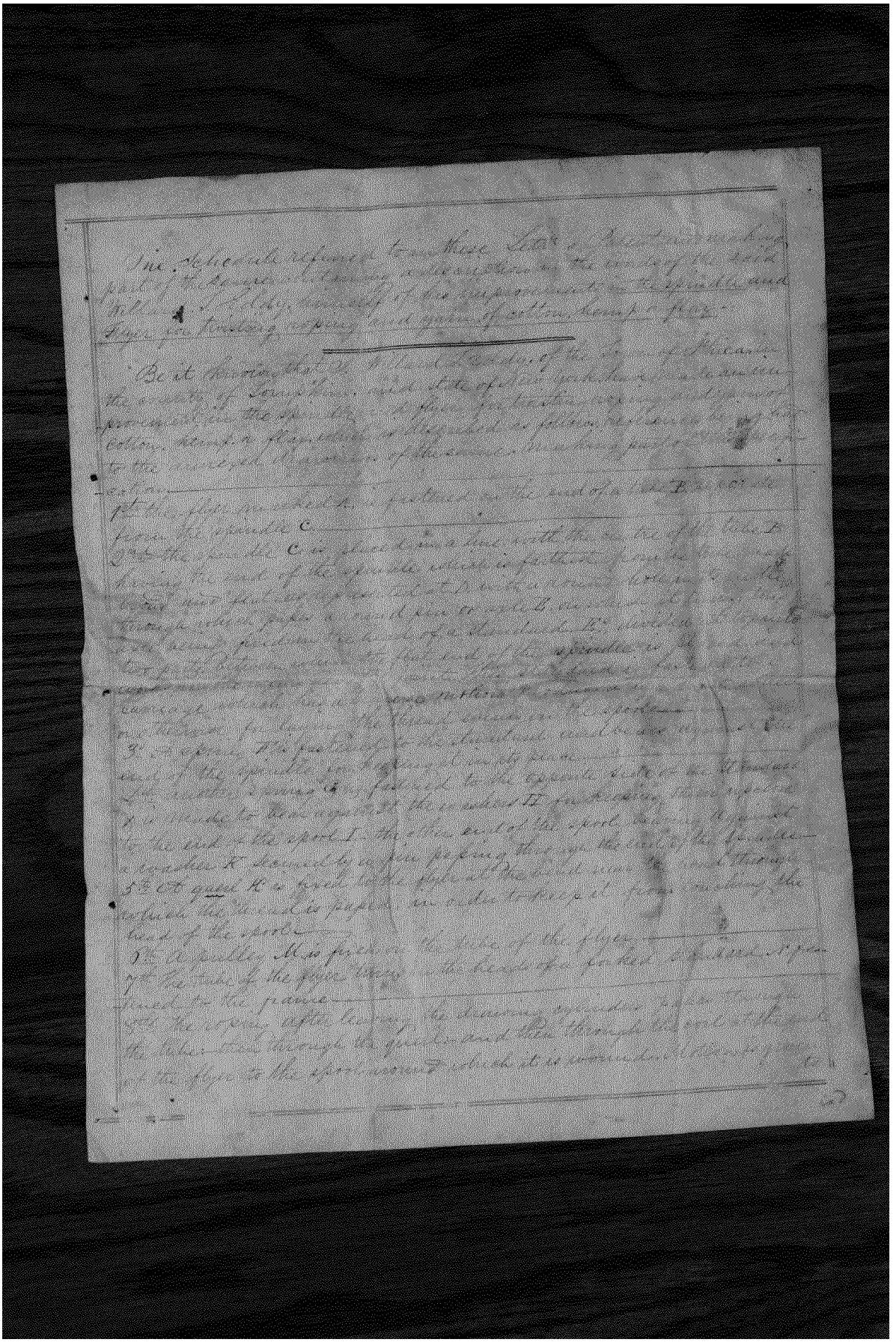
What I claim as my invention and desire to secure by Letters Patent consists in the combination, arrangement, and adaptation of the several parts of the before described spindle and flyer for twisting & spinning, but I particularly claim the mode of hanging the spindle on a pivot and securing it by a spring as the spring bearing against the end of the spool.

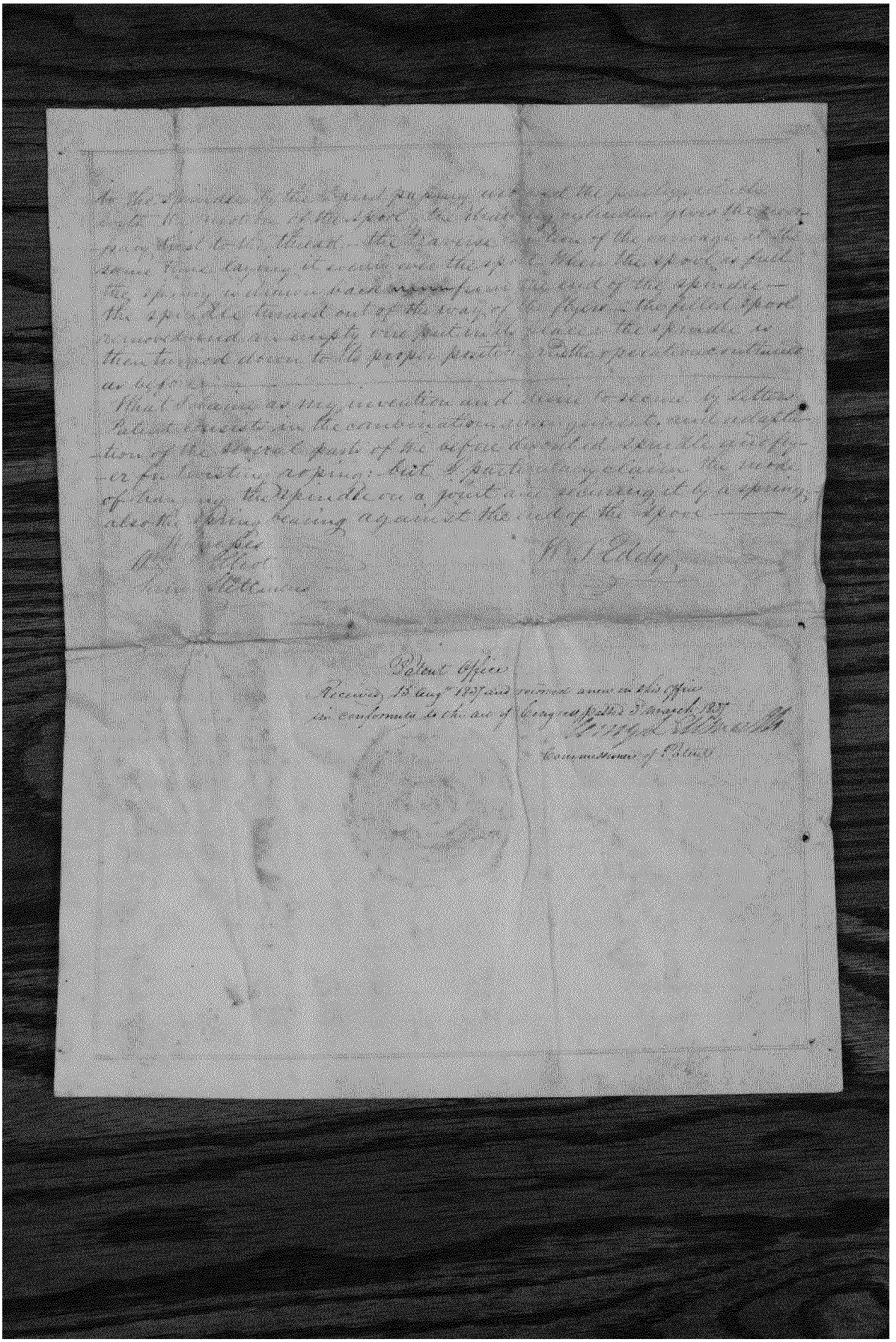
Witness
Wm. Pattiel
Jam. Pellimore

W. J. Lowry

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(Granted 10th of February 1836.)





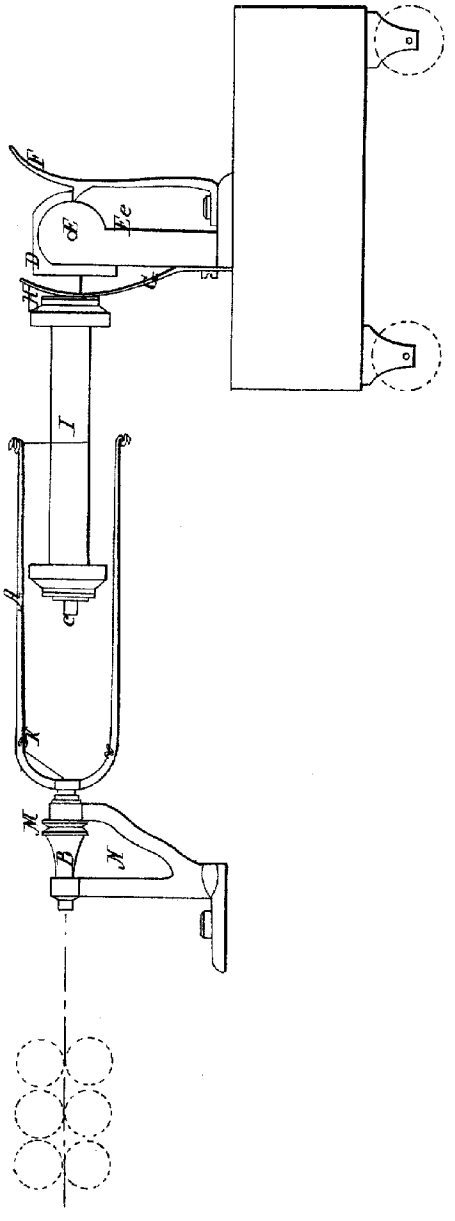
No Printed Specification Available

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# W. T. Eady.

## Spindle and Flyer.

Patented Feb. 10, 1836




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