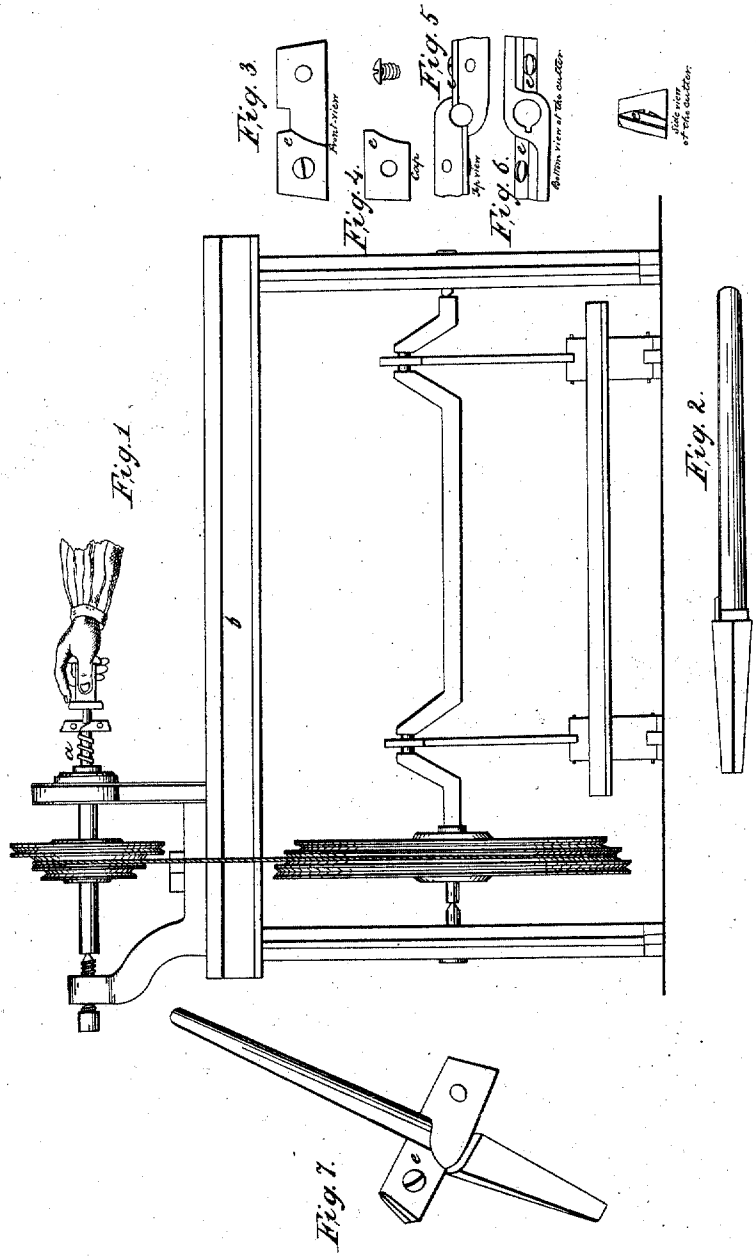
No Printed Specification Available

7187X

S. Fresbrey, Jr.,

Turning Regular Forms.

Patented July 26, 1832.



A.M. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

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7187X July 26. 1832

Simeon Pressey, 2nd of Canton, in the County of Norfolk & State of 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 Simeon Pressey 2nd himself of his improvement in the method, by means of a revolving cutter, or cutters, of truing, equalizing and finishing the ends of spools or bobbins used in spinning.

To all persons to whom these presents shall come, Simeon Pressey 2nd of Canton in the County of Norfolk & State of Massachusetts Cotton Manufacturer sends Greeting. —

Be it known that I the said Simeon Pressey, 2nd have invented and applied to use a new and useful method by means of a revolving cutter or cutters of truing, equalizing & finishing the ends of bobbins or spools used in spinning, specified in the words following, viz, It is well known that wooden bobbins or spools are liable to run irregularly — filling up one equally and often breaking the thread or yarn — the cause is not often readily perceived and much time is lost before the bobbin can be adjusted to run well, the principal cause is to be found in a want of truness of the bobbin at the end on which it rests — which may happen by the common method of making them or by warping afterwards. —

The application of a revolving cutter or cutters to enable the worker to finish the end of the bobbin in a uniform and exact manner, and the spinner to correct and repair such as may have changed by warping is the object of this invention. Into the mandrel of a common turning lathe I fit a pin or mandrel of the size of the spindle on which the bobbin runs, with cutters having thin edges &c.

at right angles with the pin or mandrel to suit the required form of the bobbin. The cutters are forged from one piece of steel with a mortise or hole, to make a round arm, or spoke to the pin or mandrel, & fastened with a steady pin or screw to them with it; they are about three fourths of an inch wide and set at an oblique angle with the circle of revolution; when only one, or two cutters are used, I have caps screwed on the face, on the principle of a double iron plane iron.

To use the aforesaid cutters, they are set revolving at a speed such as is commonly used for turning wood. the bobbin is then put on the mandrel & held in the hand to prevent it from turning, at the same time pressing it against the cutters, which will reduce all inequalities

In using these cutters in the making of bobbins, I prefer to make it the first process, after the blocks for them are bored and prepared for the lathe to receive the last finish, the cutter sink there made in the end of the block serving to direct the workman in reducing it to its proper diameter. I have described the aforesaid cutter as being fitted to a common turning lathe, but the pin or mandrel of the cutters may be of sufficient length to receive a wheel or pulley and be fitted to use in standards.

The cutter being connected by a screw or hub as before mentioned, can be withdrawn from the mandrel for the purpose of sharpening or of exchanging for those of a different angle if required.

What I claim as new and of my invention in the specification of the aforesaid revolving cutter or cutters or any modification thereof, to the making or shaping of all kinds of bobbins or spools used in spinning.

In testimony that the above is a true specification of my said improvement as above described, I have hereto

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hereto set my hand the twenty first day of June in the year of our Lord one thousand — eight hundred and thirty two. ———

Witnesses Simeon Brubeck (Seal)
Thomas Tilman
Thos. A. Lemming

726 acres

Land Office