(12) **United States Patent**
**Thorp**

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(54) **SPINNING MACHINE**

(76) Inventor: **John Thorp**

Solon Thorp.

# 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 Solon Thorp himself of his improvement in the spinning & filling of slubbed yarn.

This improvement consists in a cop or cone placed on the top of a dead or still spindle, around the surface of which the yarn winds being drawn by the bobbin as it twists & receives it. This cop or cone rubs on the surface of the common flyer in keeping the yarn at a proper distance from the bobbin, & in guiding & distributing it thereon. The bobbin may be either a weavers bobbin or a common spinning bobbin at the option of the manufacturer, and turns on the spindle receiving its motion from a whirl which also turns, on the spindle & with which it is connected at its base by two pins or studs extending upward from the whirl & entering two corresponding holes or mortises in the base of the bobbin, the whirl being banded gives rotative motion to the bobbin, the bobbin rail is similar to the one in common use, excepting that it is made to steady the spindles, by having the holes thro' which the spindles pass, of the same size as the spindles. It vibrates like the bobbin rail in common machines, & on it the whirls is set, giving the motion of the rail moving the bobbin up and down on the spindle & spreading the yarn over the whole length of the bobbin, the lower edge of the cop or cone being the guide.

The rail to which the spindles are confined, or what may be called the spindle rail is a plate of cast iron, In this rail are screws which exactly fit the spindles, & by which with the assistance of an eye or clasp bolt, they are kept perfectly steady, & by these bolts the spindles can easily be adjusted

and raised or lowered, so that the lower edge of the cup or can, which is the guide of the yarn, may suit the filling of the bobbin.

The cup or can rests & is hung upon a shoulder at the top of the spindle, and its cavity is sufficiently large to admit the bobbin. This can be lifted off & put on again with ease, it must be taken off to change the bobbins & to mend or piece the yarn when the bobbin is in the can. In piecing broken ends or in piecing the yarn the bobbin is lifted by the thumb or finger from the pin, or study that connects it with the whirl, and the whirl is allowed to run while the yarn is put in a proper position to be mended, then the thumb or finger is withdrawn from the bobbin & it falls to its proper place connecting itself again with the whirl.

When the spindles are placed close to each other, it may be necessary to surround each cup or can with a cylindrical or semi-cylindrical tube to prevent the yarns from interfering or they pass round their respective cans.

Procedure Nov.r 10.th 1828.

Witness { W.m Hyer, Wm. N. Staples } John Thorp.

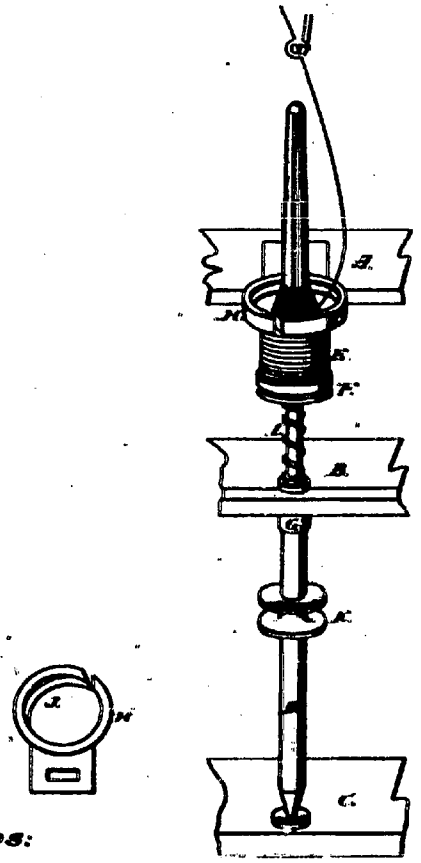
No Printed Specification Available

*Substitute for Original.*

J. THORP.

**Machine for Spinning and Twisting.**

Patented Dec. 31, 1828.







*Witnesses:*

*Inventor*