(12) **United States Patent**
Sheldon

(10) **Patent No.: X8759**
(45) **Date of Patent: Apr. 8, 1835**

(54) **SPINNING & TWISTING STRAW, HAY, &C.**

(76) Inventor: **Philo G. Sheldon**

Philo G. Sheldon
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 Philo G. Sheldon himself of his improvement in the mode of spinning or twisting Straw Hay or other substances

---

To all whom it may concern. Be it known that I Philo G. Sheldon of Winchester in the County of Litchfield and State of Connecticut have invented a new and improved mode of twisting or spinning hay, straw, tow, or any similar material into the form of twist or rope for reaching or doing up scythes or other articles of hard ware or for any other purpose to which such twist or rope may be applied & I do hereby declare that the following is a full & exact description of the apparatus or machinery which I employ for that purpose. I make a spindle which is furnished with flyers & a spool or drum much in the form of the spindles flyers & bobbin used in the spinning of hemp cotton or other fibrous materials but so much differing in size & form as in the nature of certain of its appendages as to adapt the same to the special purpose to which I apply it & for which it has not heretofore been employed. I form a spindle of wood or metal but most generally of iron which may be ten feet in length more or less. This however in practice I have found a good length. This spindle I place horizontally supporting it upon proper bearings or boxes near its ends. The spindle is hollow at its head or has an eye or opening through which the material to be spun is to pass in a manner common to such spindles. Just below the latter opening from the said hollow end arms project out in opposite sides & are so wrought as to form large flyers adapted to the spindle. Which flyers may also be made of wood & of metal or of the two combined together & to sustain them & usually opposite their extreme ends by a rod passing extending from one to the other. Upon the spindle & within the flyers I place a bobbin or drum with suitable heads to receive the spun material as it is delivered from the flyers & to said spool I apply a friction pulley

cigar with a band & weights or employ other well known means to retard & regulate its motion Upon one or more sides of the flyer I use two or more pulleys or hooks upon which to place the rope while it is being spun or twisted so as to conduct it on to its proper place on the drum or spool. when two only are employed that which conducts it on the spool or drum must be made to slide or shift along the whole length thereof A hook or other contrivance is used to attach the rope to the drum in the first instance when the spinning is commenced. Motion may be given to the spindle by means of a wheel & band or otherwise. What I claim as my invention is the adaptation of a spindle with its appendages as herein described to the purpose and in the manner set forth. I claim nothing more, the general principle of its action being similar to that in other spinning apparatus

Witnesses
Bissett Hinsdale
Theo. Hinsdale

Philo S. Sheldon

Ex?
Chf W.