(12) **United States Patent**
Curtis

(10) **Patent No.: X3767**
(45) **Date of Patent: Oct. 15, 1823**

(54) **CARDING & SPINNING WOOL**

(76) Inventor: **Philo C Curtis**

Niels C. Crivelt's
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 Niels C. Crivelt himself of his improvement in combing machinery in such a form as to receive the wool from a carding machine and convert it into roping.

That which I claim as my invention or discovery in this specified machinery is the constructing of and applying it to a carding machine in such a form as to receive the wool from the machine and wind it on spools with a suitable size and twist to be spun on a jenny or otherwise. The construction of the machinery may be as follows.

The dolpher may be about 4 inches in diameter made in the common form and covered with pelleting cards. The strips of cards should be about 1 ½ of an inch wide. It should be put on in strips quite around the dolpher, and not less than one inch apart, so that there will be no connection of wool from one strip to another. The dolpher must have two motions, one rotary the other alternate from side to side of the frame or a sufficient distance to clear the main cylinder. The motion endwise may be given by fixing the ends of the dolpher a zigzag form, and placing a roller at each end on pins fast in the frame. Or there may be two dolphers placed one above the other and covered in the same manner, and set so that one will receive the wool where the other leaves it on the main cylinder. It may also be separated from the dolpher in the common form with a comb plate or with a set of rollers set near the card after the wool leaves the card. It is drawn through a guide by a pair of rollers from which it passes to the spindle, on which there is a spool that

that moves it as fast as it draws between the rollers: the rollers may receive their motion from the deliverer or main cylinder, and must correspond so as to receive the wool as fast as it is disengaged from the deliverer. the spindle and flier is constructed much in the form of a double speeder. Spindle and flier for roping cotton: the spool and spindle must be geared the motion of the spool is graduated as it fills. by means of two cones. on which there is a belt that moves from one end of the cones to the other. whilst the spool is filling. the spools and spindles may be driven from the main cylinder by means of a pulley on the shaft of the spools. vibrate up and down by means of a heart-motion. similar to those used for cotton spinning;

Witnesses
Shejah Hubbard
Daniel Wells

Silas C. Cooley

(4 pages 2 words)

Exd.
HGC

DRAFTSMAN'S DIVISION.

All communications should be addressed to "The Commissioner of Patents, Washington, D. C."

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DEPARTMENT OF THE INTERIOR,

United States Patent Office,

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SIR:

The printed ..copies.. *of Patent No.* P. S. Curtis Oct 15, 1823

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By direction of the Commissioner:

Very respectfully,

Chief Clerk.

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United States Patent

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