

(No Model.)

D. J. WINN.
SPINDLE BAND STRETCHER.

No. 506,295.

Patented Oct. 10, 1893.

FIG. 1.

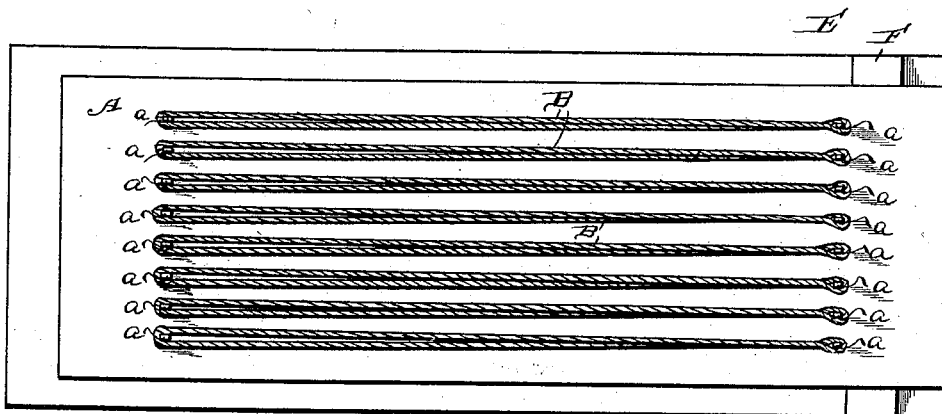
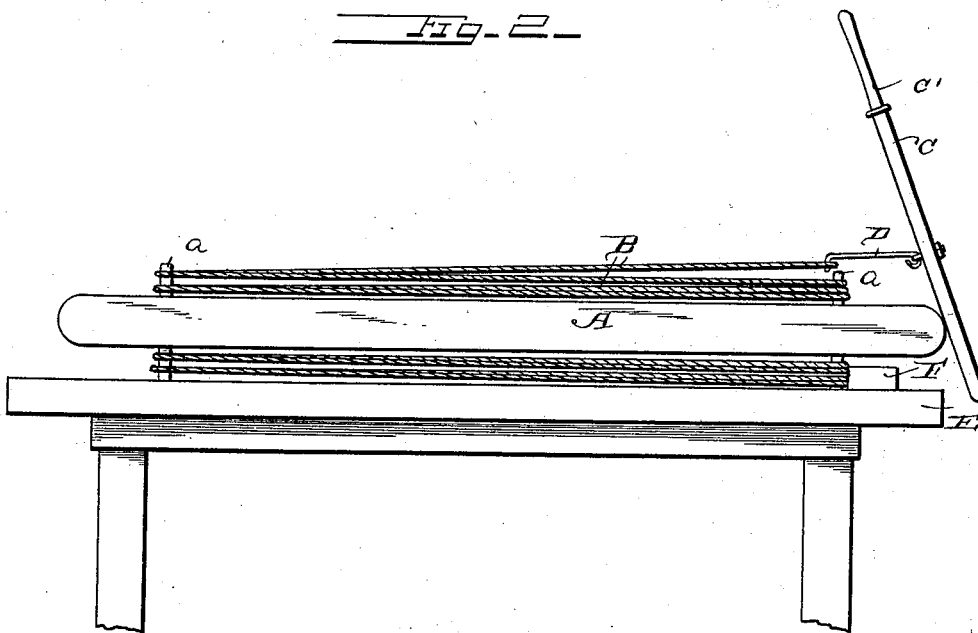


FIG. 2.



Witnesses:

Jesse Heller.
Philemasi.

Inventor.

David James Winn
by E. W. Anderson,

his

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UNITED STATES PATENT OFFICE.

DAVID JAMES WINN, OF SUMTER, SOUTH CAROLINA.

SPINDLE-BAND STRETCHER.

SPECIFICATION forming part of Letters Patent No. 506,295, dated October 10, 1893.

Application filed July 5, 1892. Renewed March 11, 1893. Serial No. 465,518. (No model.)

To all whom it may concern:

Be it known that I, DAVID JAMES WINN, a citizen of the United States, and a resident of Sumter, in the county of Sumter and State of South Carolina, have invented certain new and useful Improvements in Spindle-Band Stretchers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a top plan view and Fig. 2 is a side view.

This invention has relation to band stretchers, and has for its object the provision of a simple and effective device adapted to stretching spindle bands and keeping them under tension until ready to use.

With this object in view, the invention consists in the novel construction and combination of parts, all as hereinafter specified.

In the accompanying drawings, the letter A designates the stretcher board, which may be of any suitable length and width. Near each end, said board is provided with a transverse series of vertical pins or pegs *a*, which are arranged to project some distance beyond the surface of the board on both sides thereof.

B, B, &c., designate the bands stretched, and to be stretched.

C is the stretching lever, consisting of a bar having a handle C' at one end portion, and a projecting hooked arm D at its intermediate portion.

E is a base or support upon which the board rests, and which is provided with a transverse stop F, against which the lower projecting ends of one series of the pins or pegs abut when the operation of stretching is performed, and serve to hold the board steady.

The device is used in the following man-

ner: Each band is made fast at one end to a peg or pin and provided with a loop at the other end for engagement with the hooked arm D. The lever is applied in the manner shown in the drawings, with its lower end fulcruming against one end of the board A, and its hooked arm engaging the loop of a band. The lever is then worked to give sufficient tension to the band to take up its stretch and slack, and enable its looped end to be drawn over the peg and held. In this manner, each band is successively stretched. When those on one side have all been stretched, the board is inverted and bands are stretched on the other side. This operation of stretching and keeping under tension until ready for use, prevents the bands from subsequent slacking on the machine.

It is obvious that the pegs or pins may be provided upon one side only of the board, but I prefer to utilize both sides as being more economical both in regard to space and material. The board A is usually made sufficiently heavy to prevent the upward lift of the end farthest from the stretching lever, when the latter is in operation, although it may be made lighter and any suitable positive fastening employed to hold it in place.

Having described this invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination in a band stretcher, with the board and the series of pegs or pins arranged at opposite portions thereof and projecting therefrom, of the base having the stop for said board, and the stretching lever, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID JAMES WINN.

Witnesses:

R. L. EDMUNDS,

I. H. MOSES, Jr.