E. Wright.

Bobbin Holder.

No. 50,311. Patented Oct. 3, 1865.

Fig. 1.

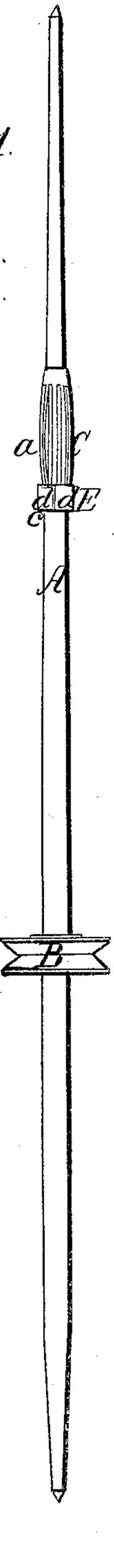


Fig. 2.

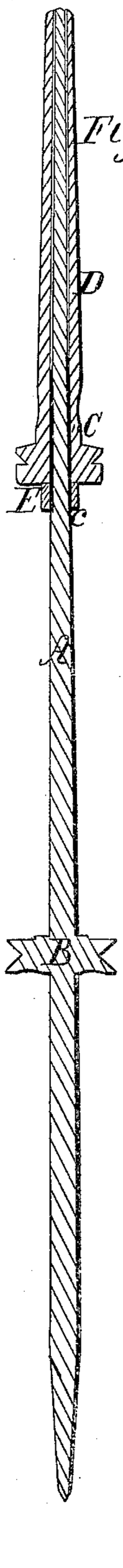
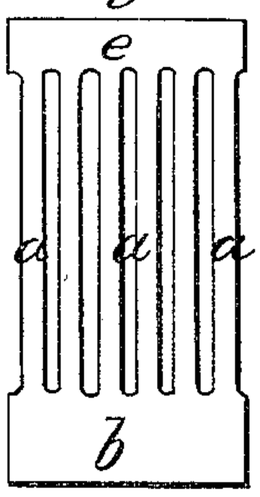


Fig. 3.

Fig. 4.



Witnesses,
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UNITED STATES PATENT OFFICE.

EDWARD WRIGHT, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO JOHN GOULDING, OF SAME PLACE.

IMPROVEMENT IN BOBBIN-HOLDERS FOR SPINNING.

Specification forming part of Letters Patent No. **50,311**, dated October 3, 1865.

To all whom it may concern:

Be it known that I, EDWARD WRIGHT, of the city and county of Worcester, and State of Massachusetts, have invented certain new and useful Improvements in Bobbin-Holders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side view of a spindle with my improvement applied thereto. Fig. 2 represents a longitudinal section of Fig. 1 when a bobbin is applied, and Figs. 3 and 4 represent detached parts of the bobbin-holder.

In the drawings, A represents the spindle, and B the whirl; C, the bobbin-holder, and D the bobbin.

My holder is made by first punching out a piece of sheet-steel in the shape shown in Fig. 4, which is then bent into a circular form, with the bars *a a* bulged out in the center, as shown in Fig. 1. A metal band, E, is then formed from the metal piece F, and the lower end, *b*, of the strip of metal is inserted in the ring or band E and headed over the lower edge of the band, as seen at *c*, whereby the spring and band are securely fastened together, and can be boxed and shipped more conveniently for use than when the rings and springs are put up separately. Again, my holder is expansible, and can be applied to a spindle much more conveniently than it could if the ends *d d* were united or the band E punched whole from a piece of metal.

The holder thus made can be easily applied to the spindles in use, and, even if the band E is made a little smaller than the size of the spindle at the precise point where it is to be used, the holder can be driven down to any desired point, the band opening a little for that purpose. It will thus be seen that the same holder may be used for spindles of different sizes—an advantage which could not be attained if the band E were whole.

The upper end, *e*, forms an expansible band to support the upper part of the holder. When the bobbin is stripped on the spindle the bars *a* yield and are forced up against the spindle, while the constant pressure of the bars against the bobbin hold the latter securely upon the spindle, and with which it revolves when the latter is put in motion.

Brass or any other suitable metal may be used in place of steel to form the spring-bars.

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

1. A bobbin-holder constructed and operating as above described.

2. Making the bobbin-holder by punching out the metal to form the spring-bars *a*, substantially as set forth.

3. The combination, with the bobbin-holder C, of the expansible band E, substantially as set forth.

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Witnesses:

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