(No Model.)

J. E. PREST.

GUIDE.

No. 492,749. Patented Feb. 28, 1893.

Fig. 1.

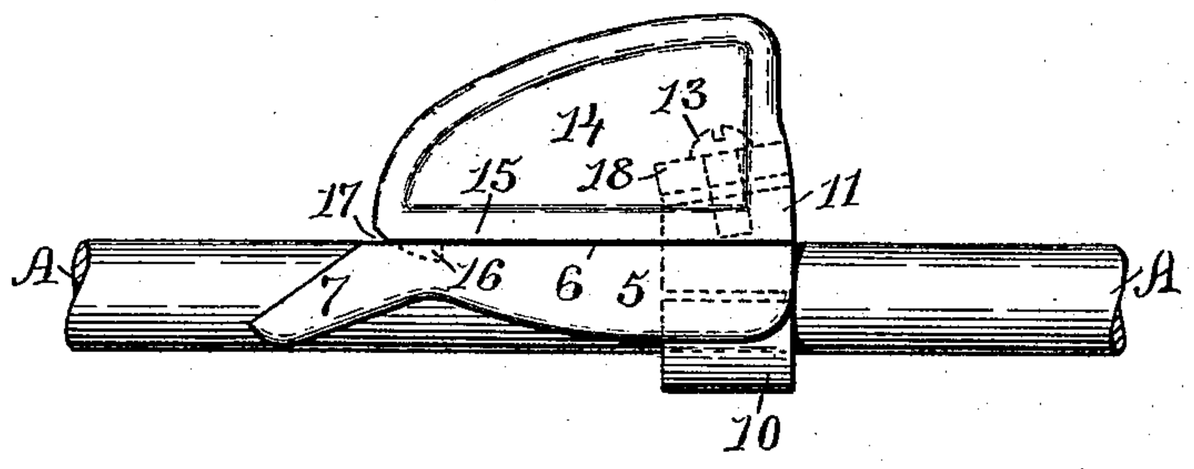


Fig. 2.

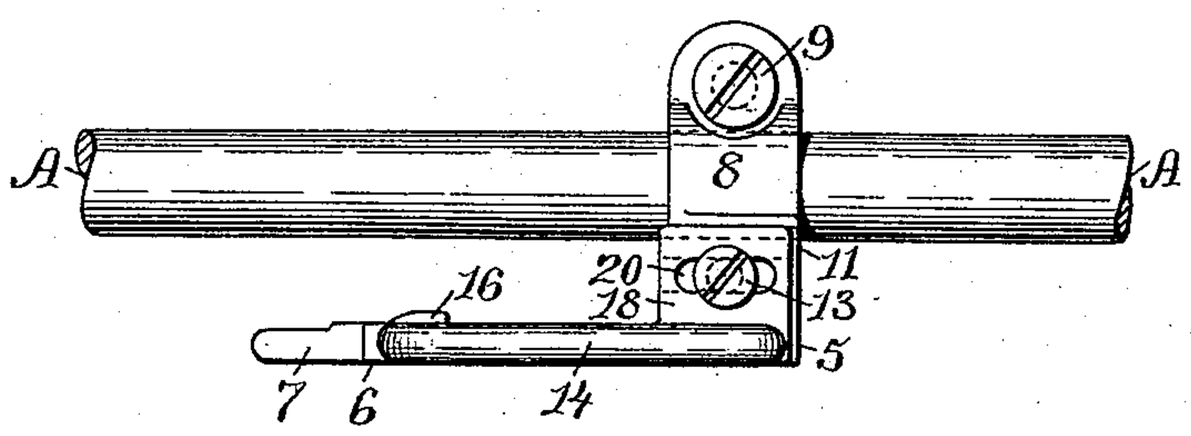
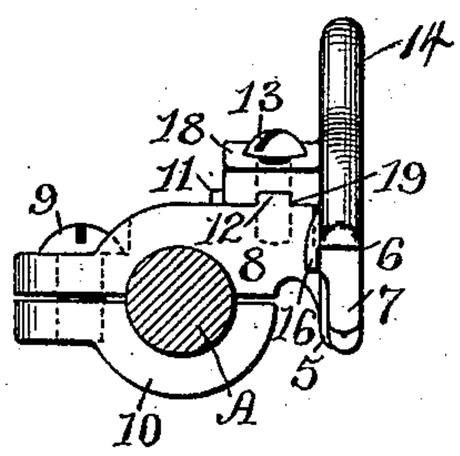


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN E. PREST, OF WHITINSVILLE, MASSACHUSETTS, ASSIGNOR TO THE WHITIN MACHINE WORKS, OF SAME PLACE.

GUIDE.

SPECIFICATION forming part of Letters Patent No. 492,749, dated February 28, 1893.

Application filed October 24, 1892. Serial No. 449,757. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. PREST, of Whitinsville, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Guides; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The invention has reference more particularly to yarn-guides which are especially adapted for spooling-machines.

The object of the invention is to produce a yarn-guide, adapted to be clamped to a rod, in which the upper guide-member is independently adjustable in the vertical plane of the lower guide-member.

The invention consists in the peculiar construction of the guide-members and their novel combination with the adjusting device, together with such other novel features of construction and combination of parts as will hereinafter be more fully described and pointed out in the claim.

Figure 1 represents a face view of the improved guide secured to a guide-supporting rod of a spooling-machine. Fig. 2 represents a top view of the same. Fig. 3 represents an end view thereof to more clearly show the adjusting-device and the yarn-stop.

Similar numbers and letters of reference designate corresponding parts throughout.

In the drawings A represents the rod of a spooling-machine on which the yarn-guides are generally clamped.

5 indicates the lower member of the yarn-guide which has a straight edge 6 and a tongue 7. Extending from this lower member, at right angles therewith, is a bracket-arm 8 having a transverse-groove in its lower surface to fit the upper surface of the rod A, the end of this arm 8 being perforated to receive the screw 9 the thread of which engages in a threaded-perforation in the clamping-plate 10 also having a transverse-groove to fit the lower surface of the guide-supporting rod A, the tightening of the screw 9 securely clamping the guide to this rod. The upper surface of the arm 8 is provided with a transverse bearing-block 11 which extends upward at an angle toward the back side of the arm, and this bearing-block 11 has a central-rib 12 in which is a vertical screw-threaded socket to receive the end of the screw 13. The upper movable guide-member 14 has a straight lower edge 15 and a stop 16 depending from the back of the same and tapering gradually downward from the entrance end 17 and having a vertical face against which the yarn may bear without catching. The rear surface of the member 14 has an extension 18 set at an angle corresponding to that of the bearing-block 11 of the lower member and a groove 19 in which the rib 12 of that block engages. Through this extension and on a line with the groove 19 is a slot 20 through which the shank of the screw 13 extends.

It is obvious that, by loosening the screw 13, the extension 18, on which the movable guide-member 14 is carried, can be moved along the bearing-block for a distance equal to the length of the slot 20, the edges 6 and 15 of the guide-members always being parallel. When the screw 13 is tightened the extension 18 will bear for nearly its whole length on the block 11 and will prevent any turn of the member 14 downward from an accidental blow. Again, the adjustment of the member 14 is made without disturbing the member 5 which is held clamped to the support-rod A generally with the edge 6 on the horizontal plane of the upper surface of the same.

The yarn is entered between the guide-members at 17, being drawn between the stop 16 and the back of the member 5, the vertical face of the stop 16 preventing the yarn being thrown out from any side movement.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination with the member 5, the arm 8, the clamp 10, the transversed inclined-bearing 11 formed in part with the arm 8, the rib 12 on said bearing and a vertical threaded socket, of the grooved-extension 18, the member 14 carried by the extension and having a portion depending below the extension, and the screw 13 adapted to secure the extension 18 to the bearing 11, as described.

In witness whereof I have hereunto set my hand.

JOHN E. PREST.

Witnesses:
HENRY J. MILLER,
M. F. BLIGH.