

W. MAY.

Apparatus for Preparing Waxed Ends.

No. 134,998.

Patented Jan. 21, 1873.

FIG. 1

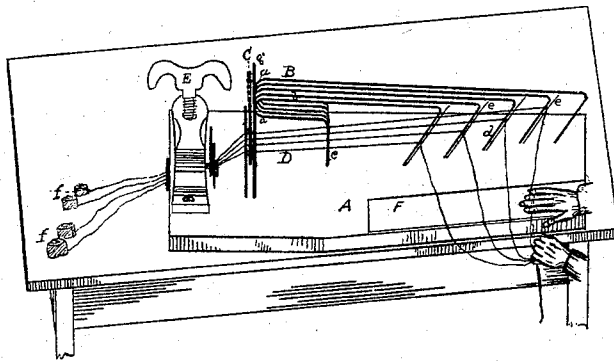
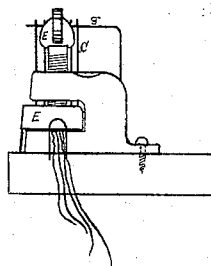


FIG. 2



WITNESSES

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IMPROVEMENT IN APPARATUS FOR PREPARING WAXED ENDS.

Specification forming part of Letters Patent No. **134,998**, dated January 21, 1873.

To all whom it may concern:

Be it known that I, WILLIAM MAY, of Binghamton, in the county of Broome and State of New York, have invented an Improvement in Preparing "Ends" for Closing Leather Fabrics, of which the following is a specification:

My invention relates to the combination of horizontal and upright wires and springs set in a tablet, so arranged as to receive the separate strands of the thread in such a manner that the strands shall be separated at different lengths for the purpose of giving the required taper to the end of the thread, the object of the invention being to facilitate the operation of forming the thread or "end," and to leave a better and more uniform taper of the ends.

Figure 1 is a side elevation of a device embodying my invention. Fig. 2 is an end elevation of the same.

A is the tablet, to which are attached horizontal wires B B and perpendicular wires C C. These wires are set, leaving a space between for the passage of the separate strands of the thread between them. The horizontal wires B are made of different lengths, and bent or doubled over at the end *a*, running parallel with the horizontal part *b*, when the end is again bent down, forming the leg *c*, which, when secured to the tablet A, leaves a square space, D. The other end is bent to an acute angle, forming an inclined leg, *d*. The upright wires C C are secured to the tablet at the ends, and on a line with the horizontal wires B B, extending a little above the ends of the horizontal wires, and provided with a transverse guard, *g*, to prevent the strands from getting out of place while threading. At the end of the horizontal wires are springs *e e e*, running parallel with and closing on the inclined legs *d d* about half way up, leaving a space below. E is the thumb-screw and stop

for holding the strands in position during the operation of untwisting and separating them. F is a rubber facing placed on the tablet in front of the wires B B for the purpose of separating the strands by untwisting.

The operation of forming the thread or "end" is accomplished by first passing the strands from the balls *ff* under the stop and thumb-screw E, and, entering them between the upright pieces C C and the horizontal wires B B, drawing them through to the required length of the thread; then turn down the thumb-screw E and grasp the strands about fifteen inches from the end of the wires B B, keeping them in a line with said wires until they have with the right hand been passed around the left hand so as to be held firmly between the thumb and fingers. The strands are then brought toward you at a right angle with the horizontal wires. This brings them between the springs *e e e*, when they are separately untwisted between the hand and the rubber facing F, as represented, and separated by a slight pull of the left hand.

The operation is continued by taking hold of the strands in the space D by placing the first two fingers of the right hand above and the thumb below, when the thumb-screw is loosened up and the strands drawn through, as before described.

I claim as my invention—

The device herein described, consisting of the tablet A, horizontal wires B, perpendicular wires C, springs *e e e*, thumb-screw and stop E, and rubber facing F, all being constructed substantially as and for the purpose hereinbefore set forth.

WILLIAM MAY.

Witnesses:

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