F. A. RAABE.

FABRIC HOLDER AND EXHIBITOR.

APPLICATION FILED MAY 18, 1910.

985,060. Patented Feb. 21, 1911.

Fig. 1.

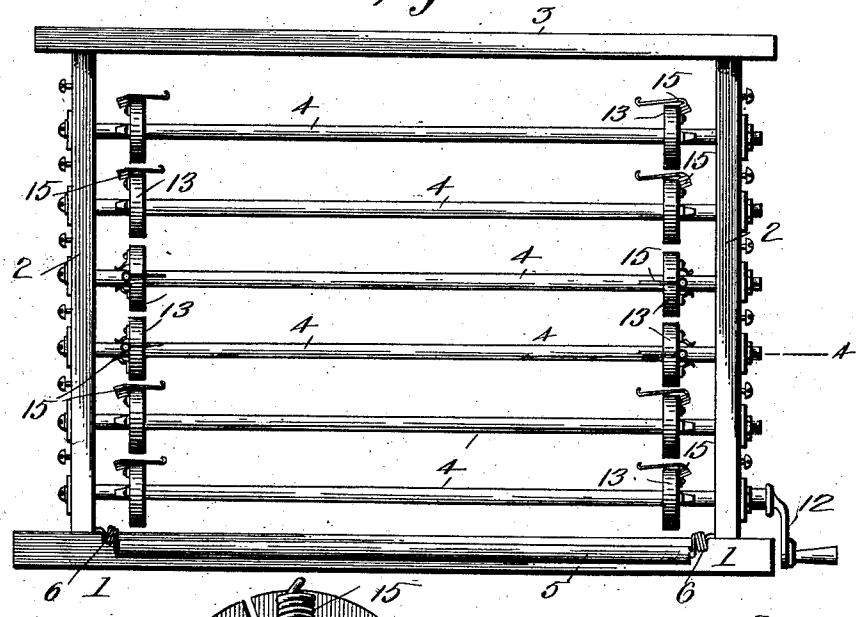


Fig. 3.

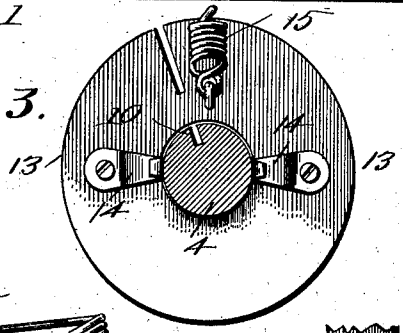
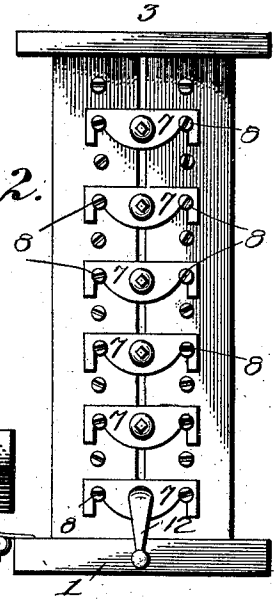


Fig. 2.



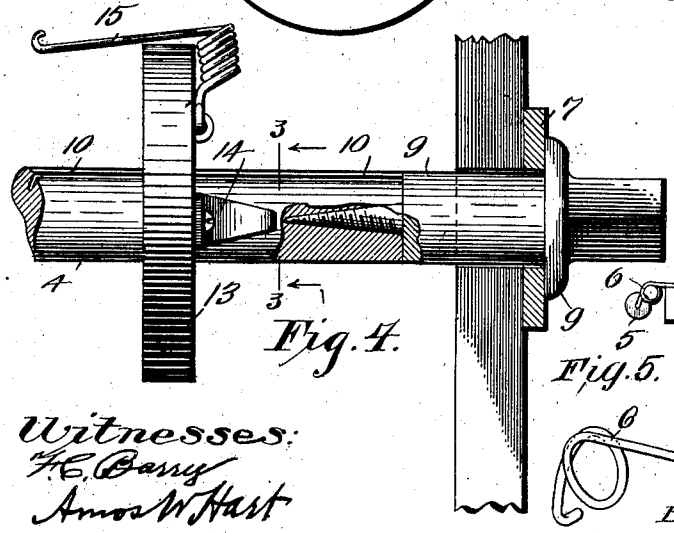


Fig. 4.

Fig. 5.

Witnesses:
H. C. Barry
Amos W. Hart

Inventor:
Frank A. Raabe
By Munn & Co.

UNITED STATES PATENT OFFICE.

FRANK A. RAABE, OF STANTON, NEBRASKA.

FABRIC HOLDER AND EXHIBITOR.

985,060. Specification of Letters Patent. **Patented Feb. 21, 1911.**

Application filed May 18, 1910. Serial No. 562,111.

To all whom it may concern:

Be it known that I, FRANK A. RAABE, a citizen of the United States, and a resident of Stanton, in the county of Stanton and State of Nebraska, have invented an Improved Fabric Holder and Exhibitor, of which the following is a specification.

My invention is an apparatus for use in holding and exhibiting silks and other thin and soft fabrics, and the construction and operation of the same are as hereinafter described, and illustrated in the accompanying drawing, in which—

Figure 1 is a side view of the apparatus. Fig. 2 is an end view. Fig. 3 is a cross section on the line 3—3 of Fig. 4. Fig. 4 is in part a side view and in part a vertical section of an end portion of the apparatus. Fig. 5 is a perspective view of one of the springs supporting the fabric-smoothing roller.

The frame of the apparatus is rectangular, and comprises a base piece 1, vertical posts or standards 2, and a cap or top piece 3. A series of wooden rollers 4 is supported rotatably in the posts or standards 2, and a roller 5 is arranged in front of, and parallel to, the base 1, it being supported rotatably by means of coiled springs 6, one end of which is secured to the base and the other is bent laterally as shown in Fig. 5, so as to form a pivot for the roller. All fabrics wound on the rollers 4 pass under the roller 5, whereby creases and wrinkles are eliminated, or, in other words, the fabrics are smoothed preparatory to winding on the exhibiting rollers.

Each of the rollers 4 is journaled in metal brackets 7 which are secured by screws 8 to the outer sides of the posts or standards to the outer sides of the posts or standards 2. The latter are also slotted vertically as shown in Fig. 2. The brackets 7 are provided with central openings to receive the pivots or trunnions 9 of the rollers, and, adjacent to their ends, are provided with notches adapted to receive the fastening screws 8. Thus the brackets are adapted for convenient attachment and detachment.

Each fabric roller 4 is composed of a body portion having a longitudinal slot or groove 10—see Figs. 3 and 4—and the trunnions are attached thereto, the same being formed of a tapered screw and a cylindrical body having a circular head or flange 9^a as shown in Fig. 4. Those pivots or trunnions 9 which are on the right-hand side of the frame are provided with squared heads adapted for application of a wrench 12 for rotating the rollers while the pivots at the other end of the frame are provided with nicked heads adapted for the reception of a screw driver by which they are applied to and detached from the body of the rollers. The aforesaid groove 10 is for holding an end of the goods or fabric when beginning to roll it, the ends of the fabric being inserted in the groove and held therein by friction, so that it is prevented from slipping when the roller is rotated.

On each fabric roller 4 there are two guides 13 which are in the form of circular collars and are adjustable along the roller, being held in any adjustment by means of spring clamps 14 formed of spring plates secured to the guides by screws as shown in Figs. 3 and 4. These guides are set a distance apart corresponding to the width of the goods to be wound on a roller, it being assumed that in many cases fabrics of different widths may be wound on the rollers in the same operation. Each guide 13 is provided with a spring clamp 15 formed of a spring wire having a coil and its free end projecting inward over the edge of the guide as shown plainly in Figs. 1 and 4. The free end bears upon the free end of the fabric rolled on the adjacent roller and thus prevents the fabric unwinding accidentally.

What I claim is:—

1. In the apparatus described, the combination with the fabric-winding roller and disk-like fabric guides mounted thereon, of spring clamps for bearing on the fabric when wound upon the roller, the same formed of spring wire constructed with a coil, one end of the wire being attached to the outer side of the guide and the other end projecting inward over the same, as shown and described.

2. In an apparatus for the purpose specified, the combination with a frame having vertical posts, of fabric rollers and brackets in which the same are journaled, said brackets having their end portions provided with notches, and screws securing the brackets in position, said screws being arranged in the aforesaid notches and from which the brackets are readily detachable, as specified.

FRANK A. RAABE.

Witnesses:
JOHN BECKER,
GEO. E. PUGH.