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Patented June 17, 1902.

H. L. ROSENTHAL.

DEVICE FOR UNROLLING CLOTH OR OTHER FABRICS.

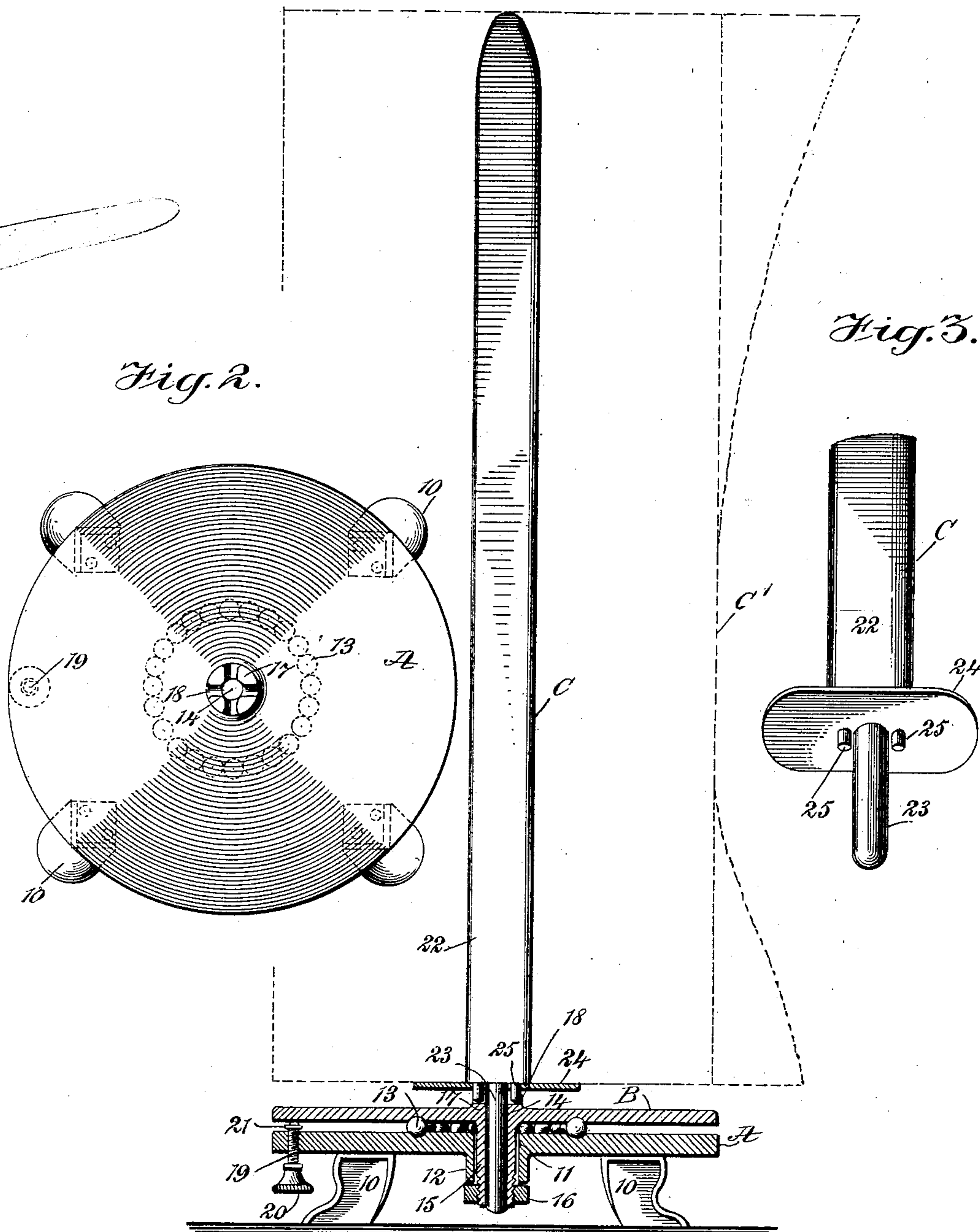
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(No Model.)

Fig. 1.

Fig. 2.

Fig. 3.



WITNESSES:

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DEVICE FOR UNROLLING CLOTH OR OTHER FABRICS.

SPECIFICATION forming part of Letters Patent No. 702,822, dated June 17, 1902.

Application filed January 28, 1902. Serial No. 91,598. (No model.)

To all whom it may concern:

Be it known that I, HARRIS L. ROSENTHAL, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Device for Unrolling Cloth or other Fabrics, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a device especially designed for unrolling bolts or rolls of cloth or other fabric or material and to so construct the device that it will be simple, durable, and economic, and to provide the device with a revoluble platform and means for controlling the movement of the platform, along with means for receiving and sustaining a roll or bolt of cloth or other material removable from the platform, yet capable of ready interlocking engagement with the platform.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of the device. Fig. 2 is a plan view of the device, with the sustaining member for the roll or bolt removed; and Fig. 3 is a perspective view of the bottom portion of the roll or bolt sustaining member.

The base A of the device is in the form of a disk, preferably supported by suitable legs 10 and provided with a central opening 11, surrounded by a downwardly-extending collar 12. A platform B, also preferably in the form of a disk, turns above the base A upon ball-bearings 13, mounted to roll in corresponding grooves produced in opposing faces of the platform and base. The platform is provided with a central opening 14, surrounded by a sleeve 15 of sufficient length to extend through the opening 11 in the base and the collar 12 and to a point below the collar, as is shown in Fig. 1. The sleeve 15 turns loosely in the collar 12, and the lower end of the sleeve has an exterior thread which receives a nut 16, whereby the platform is

held on the ball-bearings and in proper relation to the base, but the platform is free to turn upon the base. At the upper central portion of the platform a socket is produced consisting of a collar 17, having recesses 18 vertically produced in its upper edge, as is shown in Figs. 1 and 2. A brake is also provided for the platform to regulate the speed at which the platform shall turn. This brake, as is best shown in Fig. 1, consists of a screw 19, passed through the base A near its periphery, the screw being provided below the base with a suitable head 20, and above the base near its upper end with a collar 21, which prevents the screw from leaving the base. The upper end of the screw 19 may be made to bear with greater or less force upon the bottom of the platform B, or may be carried entirely out of engagement with the platform, so that the platform may be made to stand perfectly still or may be permitted to turn rapidly or slowly, as the character of the work may demand.

The sustaining member C of the device, adapted to be passed through the center of a bolt of cloth C', comprises an upright section 22, preferably flat at opposite sides and more or less pointed at the top, which upright section is provided with a reduced lower end portion 23 in the form of a pin, and where the reduced portion of the upright section 22 of the sustaining member connects with the said upright or main section or portion a horizontal plate 24 is secured, upon which the bottom of the bolt of cloth C' is adapted to rest, and from the under face of the plate 24, at each side of the pin-section 23 of the bolt-sustaining member C, studs 25 are projected downward from the plate. These studs when the pin 23 is passed into the sleeve of the platform B enter opposing recesses 18 in the collar 17 of the socket, as is shown in Fig. 1, and in this manner the sustaining member of the device is held from turning on the platform B, yet turns with the platform, and the said sustaining member C of the device may be quickly removed from the platform to be passed through a bolt of cloth and is quickly and readily brought into interlocking engagement with the platform, at the same time carrying the bolt with it.

I desire it to be understood that the device may be used to unroll all kinds of fabric or other material put up in roll form.

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

1. In a device for unrolling cloth or other fabrics, a base, a platform having rotary motion on said base, ball-bearings interposed between the base and platform, a brake carried by the base and engaging with the platform, and a sustaining member for the bolt or roll of cloth, comprising a bottom plate and upright, and means carried by said plate for locking engagement with the platform, as described.

2. In a device for unrolling cloth or other fabrics, the combination, with a base having a central opening and a downwardly-extending collar surrounding the opening, a platform provided with a central opening and a sleeve surrounding the opening and extending downward from the platform loosely through the collar of the base, the lower end of which sleeve is provided with a nut, ball-bearings located between the opposing faces

of the platform and the base, a screw-brake carried by the base and engaging with the under face of the platform, and a socket formed at the upper portion of the platform, consisting of a collar having recesses in its upper edge, of a sustaining member for the bolt or roll, consisting of an upright adapted to be passed through the central portion of a bolt or roll, a bottom plate upon which the lower portion of the bolt or roll is adapted to rest, a pin extending from the base and adapted to be loosely passed through the sleeve of the platform, and studs extending from the plate at opposite sides of the pin, adapted to enter the recesses in the socket on the platform when the pin of the said sustaining member is entered in the sleeve of the platform, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRIS L. ROSENTHAL.

Witnesses:

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JNO. M. RITTER.