(No Model.)

W. W. PALMER.

CLOTH RACK.

No. 323,522. Patented Aug. 4, 1885.

Fig. 1.

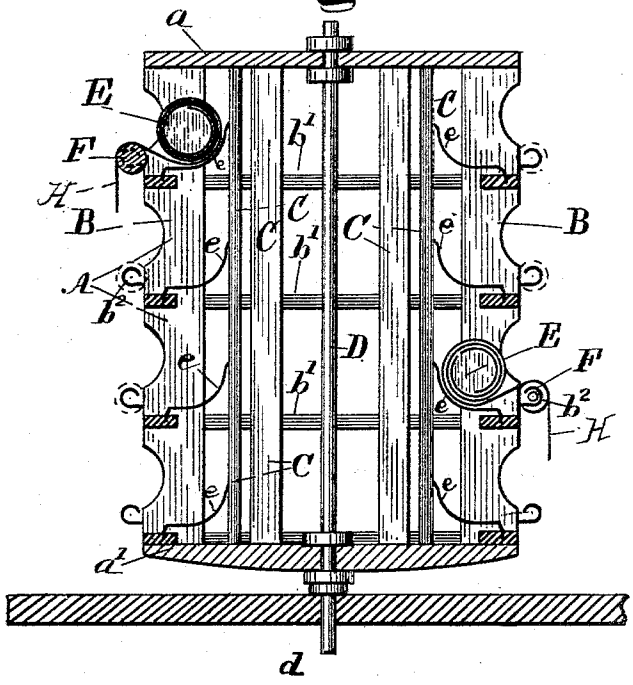


Fig. 2.

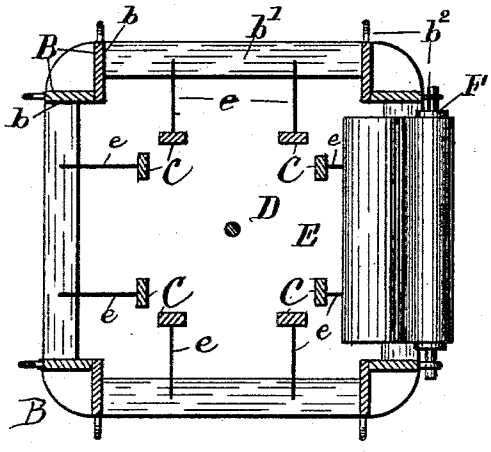
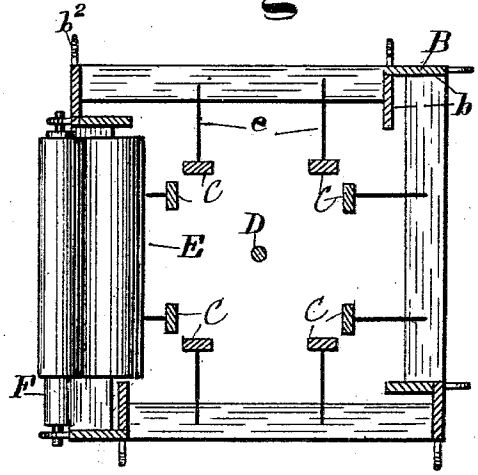


Fig. 3.



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UNITED STATES PATENT OFFICE.

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CLOTH-RACK.

SPECIFICATION forming part of Letters Patent No. 323,522, dated August 4, 1885.

Application filed June 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. PALMER, a citizen of the United States, residing at Montague, in the county of Montague and State of Texas, have invented certain new and useful Improvements in Cloth-Racks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The invention relates to that class of frames or racks for showing or handling goods which revolve upon a pivot fixed vertically and centrally to the base upon any convenient support, and has for its object the easy and rapid handling of cloth or other woven goods.

The invention essentially consists in constructing a vertical rectangular revolving frame, each side of which carries a tier of racks. Each of the racks is provided with a support on which the bolt of cloth or similar material may be readily turned, and has pivoted parallel to and in front of said bolt a roller, which retains the same in place, and over which the free edge of the cloth passes from the lower surface of the bolt, and which, in addition, facilitates the unrolling of the cloth.

In the drawings accompanying and forming part of the specification, Figure 1 is a vertical longitudinal section of the invention, showing two bolts of cloth in place. Fig. 2 is a transverse section of the same. Fig. 3 is a transverse section of a modification of the device.

In the accompanying drawings, A represents the frame of the device, composed of a top portion, *a*, a bottom portion, *a'*, and four similar and equal uprights, B B, connecting the corners of said top and bottom. The top part, *a*, is flat, and its general outline is square; but it may be rounded or otherwise cut away equally at the corners, if desired. The bottom *a'* has its contour similar to the top; but its lower surface is preferably made slightly convex to permit the frame to revolve freely.

The uprights B B are each composed of two equal and similar strips, *b b*, joined at their inner edges at right angles, as shown in Fig. 2. Each strip *b* stands with its sides at right angles to that edge of the top *a* which it supports, and the right-angled corner formed by any two joined strips lies diametrically opposite to the similar corner formed by the two joined strips farthest from it.

b' b' are horizontal and similar bars connecting any two strips *b* which support the same edge of the top *a*. The lowest of these bars is attached to the base *a'*, and they lie at equal distances and vertically above each other. Inserted into the front edges of the strips *b*, at equal distances above each bar *g'*, are two similar hooks or other proper bearings, b^2 b^2, for a purpose hereinafter mentioned. C C are vertical posts connecting the top and bottom of the frame, each two of which stand equally distant behind any one tier of racks. *e e* are wires, any two of which have their outer ends fixed into a bar, *b'*; thence curving inward and upward on the arc of a circle, and having their inner ends fixed into a post, C, at equal heights.

D is a rod running vertically and centrally through the bottom and top of the frame, to both of which it is fixed. *d* is the lower end of said rod, projecting downward to a sufficient distance and forming a pivot for a bearing in any proper support, preferably a counter, as the device is to be used in a store.

E is a bolt of cloth or similar material resting upon and supported by any two fellow wires *e e* which have their convexity inward, and F is a roller journaled in any two opposite hooks or bearings b^2 b^2, and standing partially in front of the bolt in such manner that the free end of the cloth from the same has to ascend to pass over said roller.

Fig. 3 is a modification of the above-described construction. In this arrangement one strip *b* of each upright B is set flush with the side or edge of part *a* to which it is parallel.

The operation of the device is as follows: The bolt of cloth or similar material is put in proper position on the wires *e e* with the free edge of the cloth below. The roller F is then placed in its proper bearings, b^2 b^2, and the said free edge brought up and over it, with a sample, H, of suitable length, hanging from each roller. Then when the cloth is drawn out by said free edge the roller, besides al-

lowing the cloth to run free, is driven somewhat back by the pressure of the cloth, and keeps the same from slipping or loosening on the bolt, thereby permitting measuring of the goods without handling the bolt.

If desired, cards may be hung in the edges of the strips *b*, showing the quality and price of the adjacent bolt.

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

1. In a cloth-rack, the combination, with a frame composed of a top and bottom and strips *b b*, perpendicular to said top and bottom and uniting their corners, of the transverse bars *b' b'*, posts C C, at a proper distance behind said bars, wires *e e*, and rollers F F, each pivoted in proper bearings, b^2 b^2, on the edges of said strips, as shown and described.

2. In a four-sided rectangular rotating cloth-rack, the combination, with the frame, of the rack composed of a rectangular top plate, A, similar rectangular bottom plate having the pivot depending centrally from its lower surface, and strips *b b*, perpendicular to and uniting the corners of said top and bottom plates, of the transverse bars *b' b'*, wires *e e*, posts C C, and rollers F F, turning in proper bearings attached to the strips *b b*, to make them parallel to and somewhat above the bars *b' b'*, substantially as set forth.

3. In a cloth-rack, the combination of the main frame, a roller, F, journaled to the outer side of said frame, and concave bearings *e*, arranged in rear of rollers F, and with their outer side the lowest, and arranged below the plane of the upper side of roller F, whereby said roller serves to retain the bolt of cloth in its bearings, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM WASHINGTON PALMER.

Witnesses:
ALEX. H. PALMER,
JAS. M. GRIGSBY.