(No Model.) 2 Sheets—Sheet 1.

W. DOERFLINGER.

APPARATUS FOR STORING, MEASURING, AND EXHIBITING DRY GOODS, &c.

No. 384,747. Patented June 19, 1888.

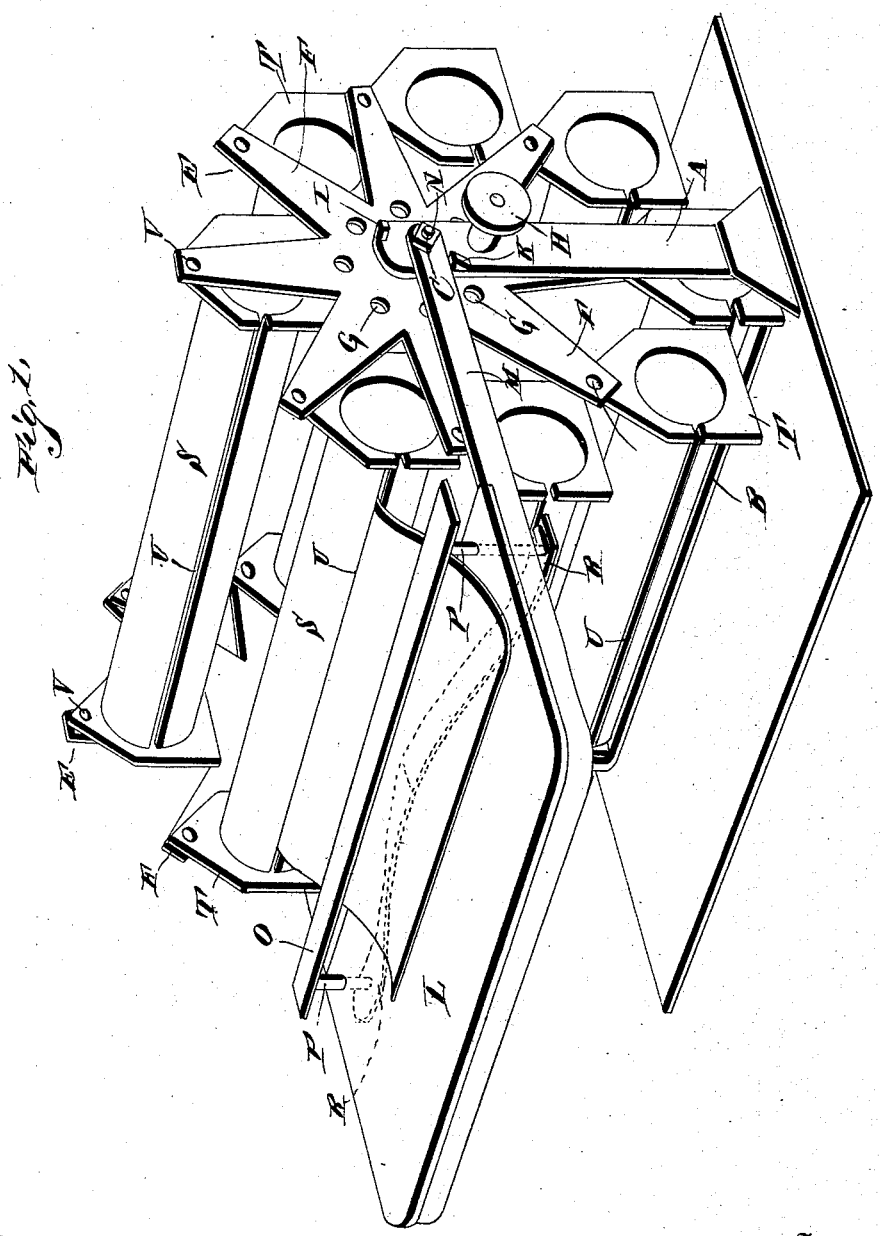

Fig. 1.

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(No Model.) 2 Sheets—Sheet 2.

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Fig. 2.

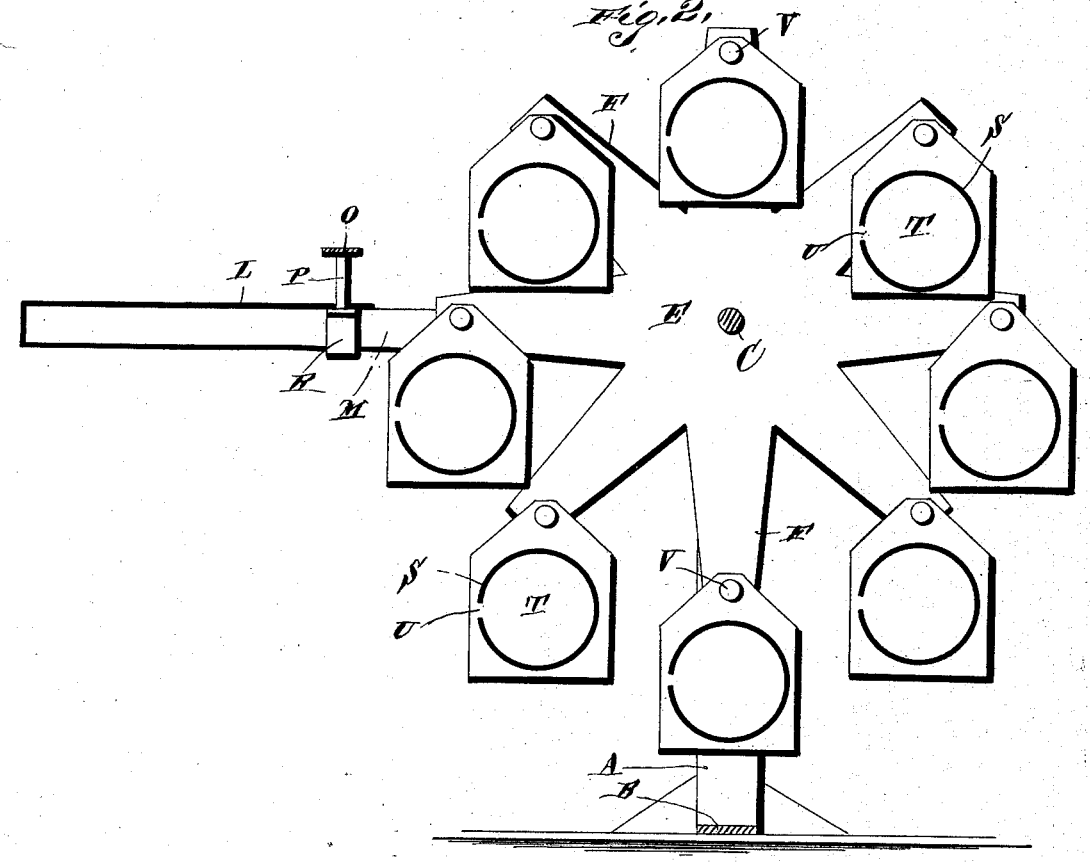
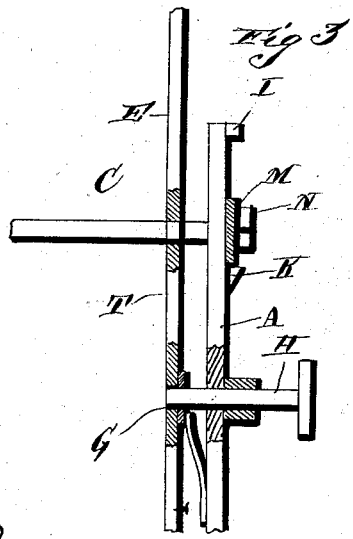


Fig 3



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UNITED STATES PATENT OFFICE.

WILLIAM DOERFLINGER, OF LA CROSSE, WISCONSIN.

APPARATUS FOR STORING, MEASURING, AND EXHIBITING DRY-GOODS, &c.

SPECIFICATION forming part of Letters Patent No. 384,747, dated June 19, 1888.

Application filed March 20, 1888. Serial No 267,819. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM DOERFLINGER, a citizen of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented a new and useful Improvement in Apparatus for Storing, Measuring, and Exhibiting Dry-Goods, &c., of which the following is a specification.

My invention relates to an improvement in apparatus for storing, exhibiting, and measuring oil-cloth, curtain holland, opaque paper cambrics, silesias, and other dry-goods and materials; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of an apparatus embodying my improvements. Fig. 2 is a vertical transverse sectional view of the same. Fig. 3 is a detail view.

A represents a pair of vertical standards, which have their lower ends connected by a cross-bar, B. In the upper ends of the standards A is journaled the central shaft, C, of a reel, which reel comprises a pair of heads, E, having radial arms F. The said heads are circular in shape, and one of the heads is provided with a series of openings, G, which are equidistant apart, there being one of the said openings for each radial arm.

H represents a spring-actuated locking-bolt which moves longitudinally in a bearing in one of the standards A, and is adapted to engage one of the openings G, so as to lock the reel to the standard at any desired position. Each of the said standards A is provided at its upper end on its outer side with a pair of stops or detents, I K, said stops or detents being arranged diagonally opposite each other and being one above the other, as shown.

L represents a measuring board or table of suitable length, and which is preferably one-half a yard in width, or may be as wide as any other preferred unit of measure. The said measuring table or board is provided at its ends with a pair of extending arms, M, which have their ends pivoted on the projecting ends of the central shaft of the reel and bearing against the outer sides of standards A, the said arms being retained on the ends of the shaft by means of nuts N, which are screwed to the said ends of the shaft. On the upper side of the measuring table or board, at the inner edge thereof, is a vertically-movable rule or guide, O, which is supported at its ends by rods P, which work in vertical openings in the inner corners of the table or board.

R represents a pair of flat springs, which are arranged on the under side of the table or board, near the inner ends of the same, and the ends of said springs bear against the lower ends of the rods P and press upward thereon, thereby normally raising the rule O from the table or board.

S represents a series of hollow cylindrical holders, which are provided with heads T at their ends, have one end closed and the other end open, and are each provided on one side with a longitudinal slot, U, the said slots extending the entire length of the holder. The upper ends of the heads extend above the cylindrical holders and form ears which are pivoted to the outer ends of the radial arms of the reel by means of bolts or pins V, the said holders being thereby suspended from the said arm of the reels.

The operation of my invention is as follows: Cloths or fabrics which are usually stored in rolls are slipped into the holders through the open ends thereof, and the free ends of the rolls of fabric or cloth are passed through the longitudinal slots in the holders and depend therefrom for a suitable distance, thereby exposing the said ends of the rolls to view and enabling the same to be readily examined and inspected, while the rolls of cloth or fabric are securely arranged within the holders and protected from dust and dirt. The measuring-table may be moved to a vertical position, so as to cause its arms to bear against the stop I, or it may be swung downward to a horizontal position and caused to bear upon the stops K, as shown, and thereby arrange the measuring board or table on one side of the reel. By withdrawing the spring-actuated bolt the reel may be rotated so as to bring the holder containing any desired fabric opposite the inner side of the board or table when the spring-actuated bolt may be caused to engage the reel so as to lock the same in this position. The free end of the cloth or fabric is then grasped

and drawn over the measuring table or board and under the rule or presser-bar O. The cloth may be measured as it is drawn over the table or board, the latter being used as a unit of measure, and when the desired quantity of cloth has been unrolled from the holder the salesman presses down upon the rule or presser-bar and draws a knife or shears over the inner edge of the same across the fabric, thereby severing the measured portion of the fabric from the remaining portion of the roll.

Having thus described my invention, I claim—

1. The combination of the revoluble reel and the tubular pendent holders pivotally suspended therefrom and thereby prevented from rotating axially when the reel is turned and having the longitudinal slits, substantially as described.

2. The combination of the revoluble reel and the tubular holders suspended eccentrically therefrom and having the open ends and the longitudinal slits, substantially as described.

3. The combination of the standards, the reel journaled therein, the holders suspended eccentrically from the outer ends of the reel-arms, and the measuring-board L, having the arms M pivoted to the standards, substantially as described.

4. The combination of the standards having the stops I K on opposite sides of the axis of the reel, the reel journaled in the said standards, the holders suspended from the outer ends of the reel-arms, and the measuring board or table having the arms pivoted to the standards on the axis of the reel and adapted to be supported in a vertical or horizontal position by the stops I K, substantially as described.

5. The combination, with the standards and the reel journaled therein and having the eccentrically-suspended holders, of the measuring table or board supported on one side of the reel, the ruler O arranged transversely over the same and having the arms P arranged and guided in openings in the board or table, and the spring R, secured to the board or table and bearing against the arms P to normally elevate the ruler, substantially as described.

6. In combination with the revoluble reel, the tubular holders pivotally suspended therefrom and arranged eccentrically, and having the longitudinal slits and the measuring-board arranged on one side of the reel and adapted to receive the goods from the holders.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM DOERFLINGER.

Witnesses:
EDWARD BOSSHARD,
FRANK P. SHUMAN.