(Model.)

B. R. HAMILTON.

SHADE ROLLER GAGE.

No. 269,499. Patented Dec. 19, 1882.

Fig. 1

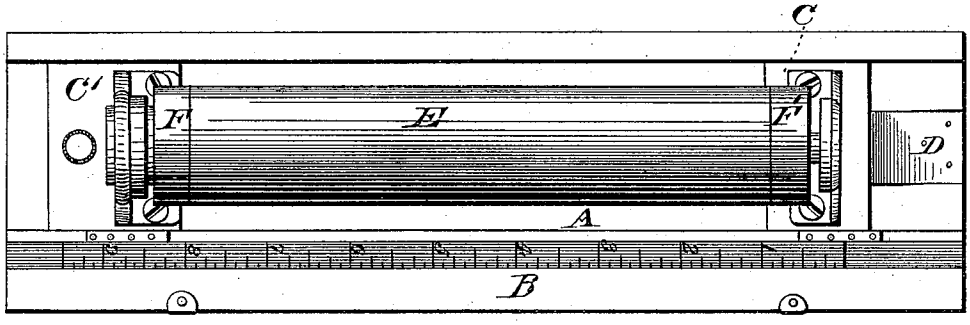


Fig. 2.

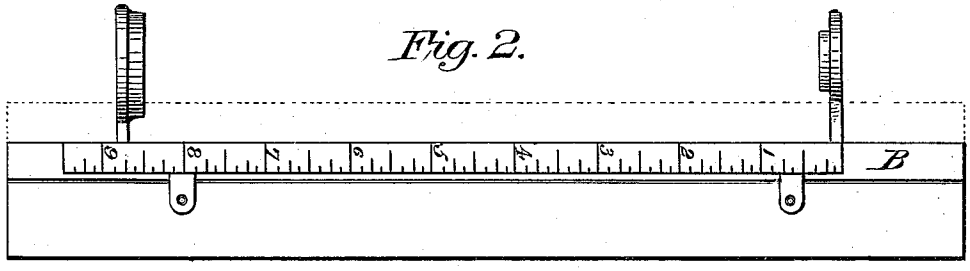
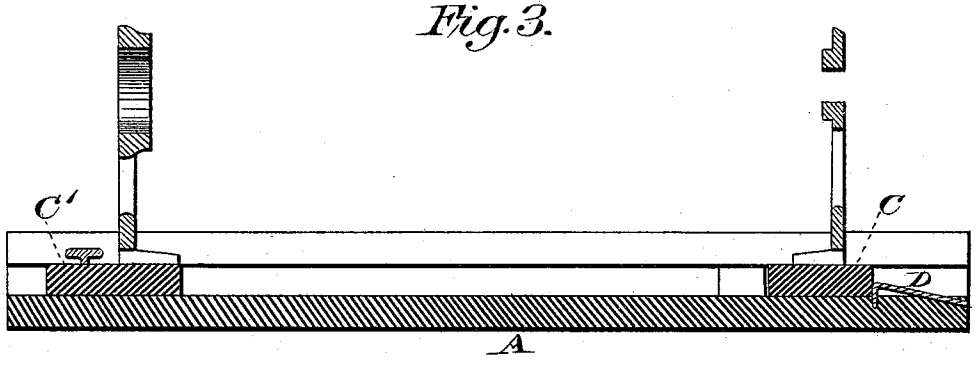


Fig. 3.



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UNITED STATES PATENT OFFICE.

BENJAMIN R. HAMILTON, OF LINCOLN, ILLINOIS.

SHADE-ROLLER GAGE.

SPECIFICATION forming part of Letters Patent No. 269,499, dated December 19, 1882.

Application filed August 21, 1882. (Model.)

To all whom it may concern:

Be it known that I, BENJAMIN R. HAMILTON, of Lincoln, in the county of Logan and State of Illinois, have invented a new and useful improvement in devices for fitting curtains and shades upon rollers, which I style a "Shade-Roller Fitter," and which may be used for any similar purpose, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a front and top view of the invention with the roller in position, the ends thereof being inserted into brackets. Fig. 2 represents a side view, showing the brackets elevated above the frame-work without the roller. Fig. 3 shows a sectional view of the platform as if cut longitudinally through the center and other portions of the device hereinafter explained.

The device may be constructed of any desired dimensions; but for ordinary use, from four and one-half to five feet long, four to five inches wide, and two and one-half to three inches high, and may be supplied with as many pairs of sliding pieces, to which brackets are to be attached, as may be desired, to handle different styles of rollers.

Letter A, Fig. 1, represents the platform or base of the device, made of suitable material, upon each side of which is a groove. To the front side of the platform is attached, by means of hinges, a strip of the same length, (see letter B,) which I call a "measuring-strip," having catches to hold and retain it in proper position when folded down. On the measuring-strip B are two scales divided into inches and parts of inches—one on the top of the strip inwardly and on the beveled edge thereof, as shown in Fig. 1, the other on the front edge, as shown in Fig. 2. On the end of the platform A is attached a stop-spring, D, made of elastic metal or other material. (Shown in Figs. 1 and 3.)

In Figs. 1 and 3, letters C and C′ represent small sliding pieces, on which to attach brackets, the edges fitting and sliding in the grooves cut or left on each side of platform A, and to these sliding pieces C C′ are attached brackets for whatever character of roller may be used. In each of the grooves before described is a shoulder, (shown in front of the slide-piece, letter C, but not lettered,) the object of which is, in conjunction with the stop-spring D, to hold the slide-piece C, Fig. 3, and the bracket thereto attached in permanent position.

Letter E in Fig. 1 represents a roller; F and F′, each a roller end—F′ permanently attached to one end of and constituting part of the roller. The other roller end, F, is detached until the length of the roller is ascertained and cut to that length, when the said end F is attached thereto.

The brackets are shown in each of the drawings, but are not numbered or lettered.

Having described the parts of my invention in detail, the manner of its use is as follows: Place the fitter on a bench or counter, with the measuring-strip B next the operator. Set the brackets, by the use of the beveled scale on strip B, the number of inches apart from outside to outside that it is designed they shall occupy when attached to the window-casings. Place the right-hand end, F′, of the roller E into its stationary bracket, holding it squarely, and with a pencil or pointed instrument mark the roller for cutting it the length desired. If the roller end F should be constructed of metal, hold it squarely in the bracket, and mark by passing the roller up and down against its edge. Saw off the roller square and nail the end F to the end of the roller. If a spring or balance roller, place it in the fitter, turn up the measuring-strip B, the top being shown by horizontal dotted lines in Fig. 2, and with a pencil center the roller on the line, the roller being already cut and finished. For the purpose of finding the center of roller E put it in position in the brackets, with the roller end attached, turn up the measuring-strip B to the point shown by dotted line in Fig. 2. Ascertain and mark the center by means of measuring-scale on the edge of strip B. If necessary, the roller may be lined horizontally while in this position. The roller now being ready for the shade to be tacked thereto, trim the shade and center it. If necessary, remove the left-hand bracket, C′, from the fitter, lay the end of the shade in the platform A, lay the roller on it, and tack it by line and center.

For tacking shades to cord-rollers this de-

vice is particularly convenient, by laying the roller into the fitter, the cord or right-hand end to the left.

What I claim as new, and desire to secure by Letters Patent, is—

The platform with its grooves—one on each side of platform A—and shoulders therein, and the stop-spring D, the measuring-strip B, adjustable by the hinges thereto attached, the measuring-scales upon said measuring-strip, and the sliding bracket-pieces C and C′, to which to attach brackets, all in connection and combination each with the others, constructed in the manner and for the uses and purposes herein set forth.

BENJ. R. HAMILTON.

Witnesses:
T. T. BEACH,
JOSEPH HODNETT.