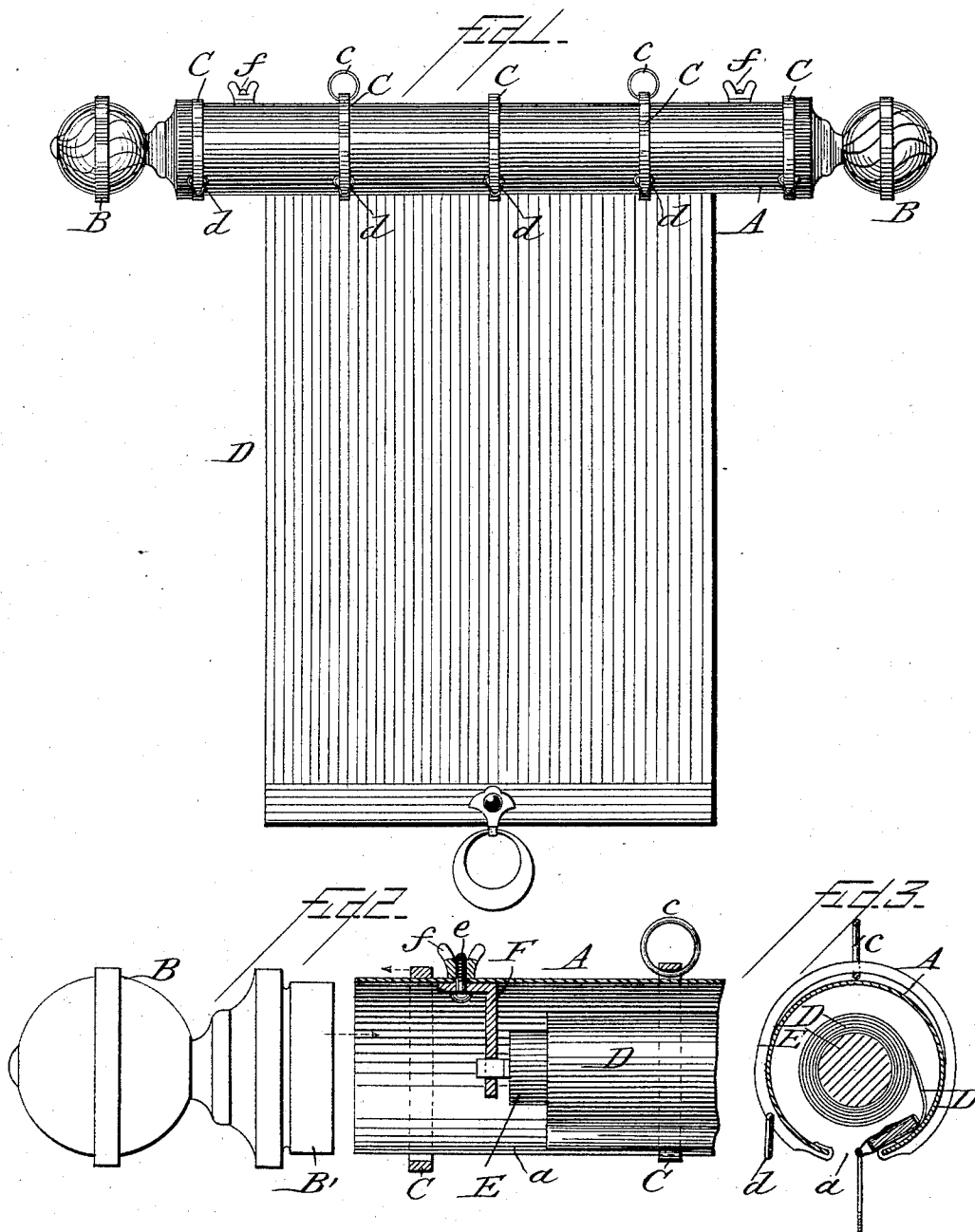


(No Model.)

R. J. WATTS.
DEVICE FOR HANGING MAPS OR CURTAINS.

No. 441,994.

Patented Dec. 2, 1890.



Attest:

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UNITED STATES PATENT OFFICE.

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JOSEPH METZLER, OF SAME PLACE.

DEVICE FOR HANGING MAPS OR CURTAINS.

SPECIFICATION forming part of Letters Patent No. 441,994, dated December 2, 1890.

Application filed June 5, 1890. Serial No. 354,386. (No model.)

To all whom it may concern:

Be it known that I, ROBERT J. WATTS, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Indiana, have invented certain new and useful Improvements in Devices for Hanging Maps or Curtains; and I do hereby 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.

This invention relates to an improved device for hanging maps, curtains, window-shades, or other similar objects, the object of the invention being to provide a simple, cheap, and efficient device whereby the said objects can be easily and quickly supported and adjusted and kept free from dust and anything else which might tend to injure the same; and the invention consists in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a front elevation of my improved device for supporting curtains, maps, window-shades, or the like, showing it as arranged for supporting a curtain, the latter being represented in its depending position below the device. Fig. 2 is an enlarged partial longitudinal section of the same, showing the interior structure, together with one of the ornamental end pieces, which is removed from the end of the tube and represented in elevation. Fig. 3 is a transverse section of the device.

Like letters of reference designate corresponding parts throughout all the different figures of the drawings.

A denotes a cylinder or tube of suitable diameter and length and adapted to contain therein when the latter is properly rolled a curtain, window-shade, or other similar object or thing which it is the purpose of the said device to support and protect. This cylindrical tube A is the main and essential feature of the invention. It may be made of wood, leather, tin, brass, or any other suitable material or substance to suit the taste of the user and produce the best results in actual

practice. On one side it is formed with a longitudinal slit or slot or opening *a*, running from one end of the tube to the other. (See Figs. 2 and 3.) Through this slit passes the curtain, map, or other object when unrolling. Thus it will be seen that the curtain, map, &c., may be rolled up completely upon any suitable roller located within the protecting-cylinder A, and may be unrolled so as to depend below the supporting device in proper position to be exposed to view or to perform the several functions that respectively attach to devices of the sort hereinabove enumerated.

The cylinder A is provided with a suitable number of encircling rings C C. There may be any number of these as may be desired. They serve to preserve the form of the cylinder and strengthen the same, making it better able to perform its functions.

BB designate ornamental end pieces. These may be of any shape, size, or configuration in appearance. They preferably are made symmetrical, so as to embellish and beautify the appearance of the device. In the drawings it will be seen that they are formed with round globular parts, and they also have cylindrical portions B' of proper size and diameter to be inserted into the open end of the tube A. In Fig. 1 the ornamental ends are shown in position with their parts B' within the ends of the tube. In Fig. 2 it will be seen how the ornamental end piece is connected to the tube by inserting the cylindrical part B' into the end of the latter.

The two rings C C located nearest the ends of the cylinder A are arranged to slide or be adjusted upon the cylinder. Hence they can be slid away from the ends of the cylinder into the position shown in Fig. 2, thus permitting the ornamental ends to be more readily inserted into the ends of the cylinder, after which these end rings C can be adjusted toward the end of the cylinder until they lie close up against the flanges on the ornamental end pieces, as shown in Fig. 1. The second ring C from each end is preferably furnished with a small ring or loop *c*, to which a strap, cord, or other supporting device may be connected for the purpose of

hanging the device in a suitable position. Furthermore, it will be noted that each of the rings C C is provided at a proper point with a small ring or loop *d*. These are situated
 5 similarly, so that there is furnished a series of these loops *d d*, to which lace curtains or other things may be attached and thereby supported, thus enabling the cylinder to serve a double purpose—to wit, that of supporting
 10 and protecting a curtain, map, or similar object, and, second, that of furnishing a support for the lace or other curtain.

Within the cylinder A is the roller on which the curtain, map, window-shade, or other object is to be wound. E denotes an example
 15 of this roller, and D an example of a curtain wound thereon. Obviously the roller must be supported within the tube in such a way that it may properly perform its functions.
 20 Preferably this roller will be a spring-roller, so constructed that the curtain or other device may be automatically held at any point to which it may be adjusted by the manipulation of the end thereof, which projects
 25 through the slit *a* thereof in the cylinder. In order to conveniently support the roller within the tube, I provide brackets, which are secured to the wall of the tube. F denotes one of these brackets. It is shown in Fig. 2. There
 30 is of course another similar bracket at the other end of the roller.

The bracket F is simply a right-angled piece of metal having one arm projecting at right angles to the direction of the cylinder A,
 35 which arm is suitably slotted or perforated to permit the journal on the end of the spring-roller E to be properly held therein. The other arm of the bracket F is perforated to permit the passage therethrough of the screw
 40 *e*, which also passes through the wall of the cylinder A, and is provided on the outside

with a thumb-screw *f*, so that by tightening or loosening the thumb-screw the bracket may be secured in position or removed at any
 45 time when it may be desired to dislocate the roller. It will be obvious that these brackets F may be situated at greater or less distances from the ends of the cylinder A.

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

1. The combination of the slotted cylinder, the series of rings encircling the same, two of said rings being provided with loops or
 55 rings for the attachment of cords for supporting the device, all of said rings being provided with loops for the attachment of outside curtains, the ornamental end pieces connected to the tube, the interior brackets, and the curtain or other roller supported by said
 60 brackets.

2. The combination, with the slotted cylinder A, of the right-angled brackets F F, secured to the walls of the tube, the screw *e*
 65 and the set-screw *f* for holding said brackets in position, and the curtain or other roller, as E, supported by the brackets, substantially as described.

3. The combination of the cylindrical tube A, having the longitudinal slit *a*, the series
 70 of rings C C, encircling the tube, two of said rings having supplemental rings *c c*, the ornamental end pieces B B, the interior brackets F F, and the curtain or other roller E, supported by said brackets, substantially as described.
 75

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

ROBERT J. WATTS.

Witnesses:

ISAAC CARTER,
 ALONZO BLAIR.