

(No Model.)

C. W. BASSETT.

CURTAIN ROLLER.

No. 302,538.

Patented July 29, 1884.

Fig:1.

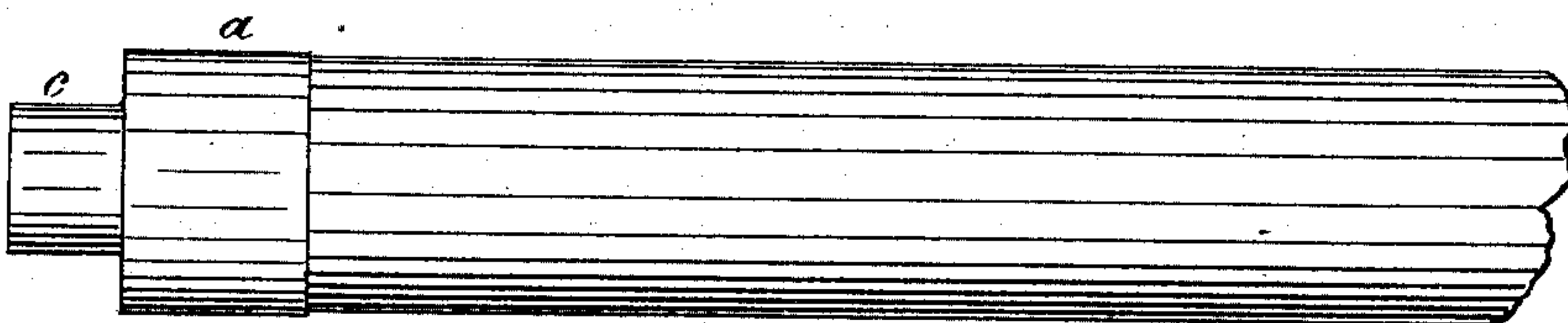


Fig:2.

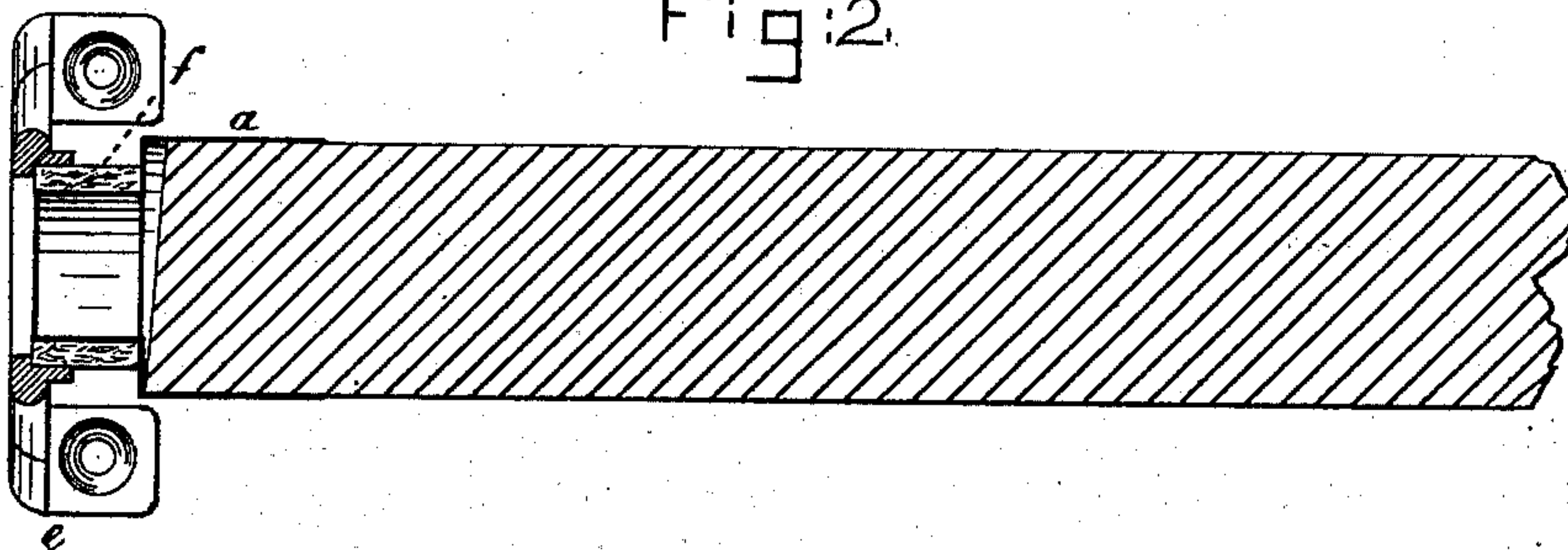
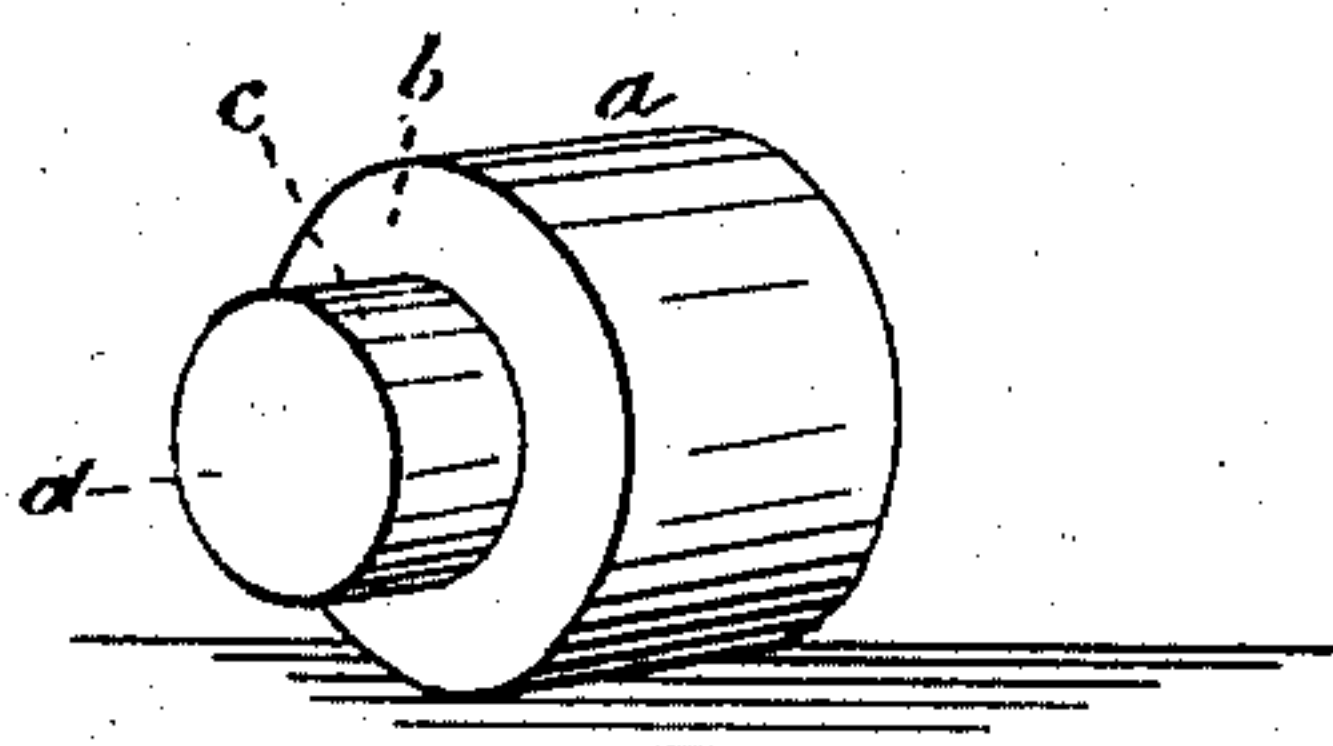


Fig:3.



WITNESSES

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CHARLES W. BASSETT, OF NEWTON, MASSACHUSETTS.

CURTAIN-ROLLER.

SPECIFICATION forming part of Letters Patent No. 302,538, dated July 29, 1884.

Application filed December 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BASSETT, a citizen of the United States, residing at Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Curtain-Rollers; and I do hereby declare that the same are fully described in the following specification and illustrated in the accompanying drawings.

The object of this invention is to provide an improved cap and journal for the solid end of curtain-rollers—that is, for the end opposite to that which receives the spring and its spindle; and my invention consists in a hollow sheet-metal cap fitting the periphery of the solid end of the roller, and having a cylindrical projection integral with and extending from its end wall parallel to its peripheral portion.

It also consists in such cap and journal in combination with a felt or equivalent noiseless bearing.

Curtain-rollers are commonly made of greater length than is required for the width of ordinary windows, and hence a portion of the solid end has usually to be cut off. It is customary to nail or screw onto this cut end a wooden or metal block or plate having a solid pivot or central projection as a journal for the roller. It is very difficult for an inexperienced person to saw off the roller exactly square, and if it is not cut true or the plate accurately applied the pivot will not coincide with the axis of the roller, but will wobble and give to the roller and shade an unsteady motion.

My improved cap is not dependent for its action on the angle at which the roller is cut, since it is not fitted to or fastened on the cut portion, but fits snugly around the periphery of the roller end. It follows that the journal will always run true, the cap be readily applied, and form an ornamental finish.

In the drawings, Figure 1 is a plan of the roller with my improved cap and journal. Fig. 2 is a vertical central section thereof, showing also the noiseless bearing for the same. Fig. 3 is a perspective view of the cap detached.

My improved cap and journal consists, essentially, of the peripheral part *a*, the annular part *b*, and the cylindrical journal *c*, all struck or spun up from a single piece of thin sheet metal. The outer end of the journal is

also shown as closed by a transverse wall, *d*, formed of the same piece. The interior diameter of the part *a* is precisely that of the exterior of the roller, so that the one may be applied upon the other and held in position by a slight indentation, as by a prick-punch; and the cylindrical part *c* is concentric and parallel therewith, extending outwardly from the annular part *b*, and of a diameter to correspond with the bearing inclosing it. Fig. 2 shows the roller end cut off obliquely, leaving an irregular space; but the cap conceals it, fits peripherally, and the journal is true to the axis. The bearing shown is a band, *f*, of felt or equivalent fibrous material, secured in a ring of the bracket *e*, so as to project considerably beyond it, that no part of the cap or journal may come in contact with the metal bracket. The comparatively narrow ring of the bracket permits ready insertion and removal of the roller-journal without cramping in oblique positions. The rotation of the smooth sheet-metal cylinder within the fibrous ring *f* is steady and perfectly noiseless. The wear is very slight, and is distributed over the entire journal, and no lubrication is required. There is no necessity of exact measurement as to length of roller, since considerable lateral play is permissible, and there is no tendency to crowd endwise or to work down and out, as would be the case with a conical or tapering journal.

I claim as my invention—

1. As a new article of manufacture, the herein-described sheet-metal journal and end cap for curtain-rollers, the same consisting of the cylindrical parts *a c*, the annular part *b*, and the radial part *d*, all formed from a single piece, substantially as set forth.

2. A curtain-roller provided with a cylindrical sheet-metal journal and end cap, in combination with an annular bearing of fibrous material mounted in a circular recess in the bracket, substantially as set forth.

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

CHARLES W. BASSETT.

Witnesses:

A. H. SPENCER,
E. A. PHELPS.