C. F. LAUN.

CURTAIN POLE RING.

APPLICATION FILED JAN. 5, 1910.

1,001,287. **Patented Aug. 22, 1911.**

Fig. 1.

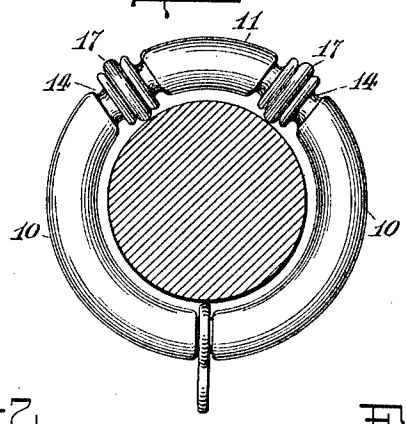


Fig. 7.

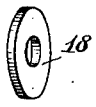


Fig. 8.

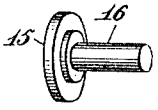
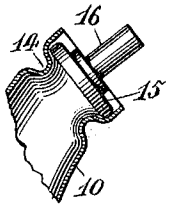
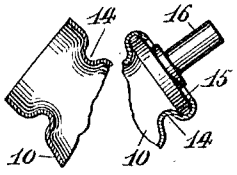


Fig. 2.

Fig. 3.





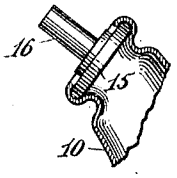


Fig. 4.

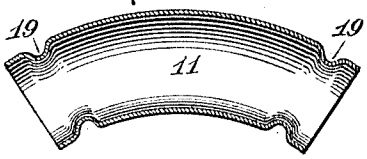
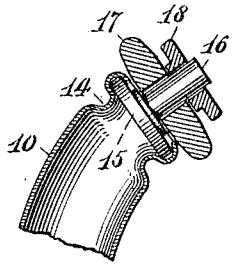


Fig. 5.



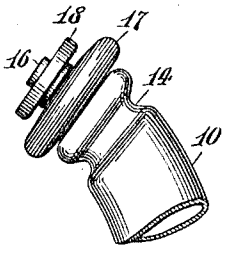
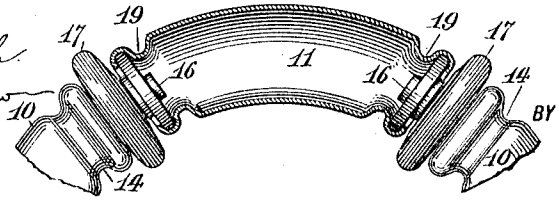


Fig. 6.



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CURTAIN-POLE RING.

1,001,287. Specification of Letters Patent. Patented Aug. 22, 1911.

Application filed January 5, 1910. Serial No. 536,477.

To all whom it may concern:

Be it known that I, CHRISTIAN F. LAUN, a citizen of the United States, and a resident of Waterville, in the county of New Haven and State of Connecticut, have made and invented certain new and useful Improvements in Curtain-Pole Rings, of which the following is a specification.

My invention relates to an improvement in rings for use in connection with curtain poles, and particularly that kind or type thereof comprising in part disks, pulleys, or rollers, to facilitate the travel of the ring along the pole, the object of the invention being to provide a ring of this character which shall be simple and economical to construct, durable and efficient in use, and which will present a neat and finished appearance, and with these and other ends in view, consists in certain novel features of construction and combinations of parts, as will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in elevation of a curtain ring constructed in accordance with my invention. Fig. 2 is a view partly in section and partly in elevation of a portion of the ring showing a pulley stud inserted in one end of a ring section. Fig. 3 is a similar view showing these studs completely locked in the ends of a ring section. Fig. 4 is a detached sectional view of one section of the ring, the studs being omitted. Fig. 5 is a view partly in section and partly in elevation of a portion of the ring having the pulleys locked in the ends of one section of the ring and prior to locking thereto the section of the ring illustrated in Fig. 4. Fig. 6 is a view partly in section and partly in elevation, showing the section of the ring illustrated in Fig. 4, locked in place. Fig. 7 is a detached view in perspective of a washer for use on a pulley stud, and Fig. 8 a similar view of the pulley stud.

A curtain ring of the type referred to herein, is usually made up of two or more sections, a pulley being secured between the ends of the sections, in order that the ring may move or travel easily upon the curtain pole. It is important that these pulleys and sections of rings be securely locked in their proper relative positions, in order to withstand the strain imposed upon them by reason of the weight of heavy curtains or draperies, and at the same time present a neat and finished appearance. In order to accomplish these objects, I form the ring of two or more sections 10, 11, the number thereof depending upon the desired number of pulleys, as in some instances the rings are made with two pulleys, and in other instances with three. In the ring illustrated in the drawings, I have shown the ring provided with two pulleys, although I do not limit my invention to this particular number.

In the construction of this ring, I spin or otherwise form in the ends of the section 10, a groove 14, forming a shouldered socket in which is received the head or flange 15 of the stud 16, as illustrated in Fig. 2. After the studs have been properly placed within the ends of the section 10, the metal of said section is bent around the flange 15, as clearly illustrated in Fig 3, whereby to securely lock them in position. On each of the studs 16 is then mounted a roller or pulley 17, as illustrated in Fig. 5, said pulleys being held in position on the stud by means of the washers 18, secured tightly to the ends of the studs 16. The ring section 11 is also formed at each end with a groove 19, forming a shouldered socket in each end of the section, as illustrated in Fig. 4. This section is then assembled with the ends of the section 10, by entering the washers 18 within the socketed ends of said section 11, as illustrated in Fig. 6, the metal of the extreme ends of this section 11, being bent around the washers 18, the several parts being thereby permanently and securely fastened in place. The ring section 10 may have secured thereto in any desired way, the eye 20, for the reception of the curtain pin (not shown). By thus forming and assembling the parts, a strong, effective, and durable union between the several sections results, the several parts harmonizing in shape, contour and appearance, by reason of the formation of grooves 14 and 19 in the ends of the adjacent sections and on opposite sides of the rollers or pulleys 17, the finished ring presenting a neat and attractive appearance.

Having fully described my invention,

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

In a curtain pole ring, a ring section, the wall of which is forced inward to thereby form a groove adjacent the end of the section and whereby a socket is provided; a stud having a projecting flange adapted to lie within said socket, and the extremity of said ring section being closed inward and about said flange to thereby secure the same and its stud in place; a washer secured to said stud; a second ring section, the wall of which is forced inward to thereby form a groove adjacent its end, and whereby a socket is provided at the end of said section, said washer lying within the socket thus formed and the extremity of said second ring section being closed inward and about said washer to thereby secure the same in place, and a pulley mounted on said stud and occupying substantially the entire space between said flange and said washer.

Signed at Waterville, in the county of New Haven, and State of Connecticut, this 20th day of December, A. D. 1909.

CHRISTIAN F. LAUN.

Witnesses:
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