

Jan. 2, 1923.

1,440,997

L. L. JUDGE.
FASTENER FOR EYELETED EDGES OF FABRICS.
FILED MAY 6, 1922.

Fig. 1.

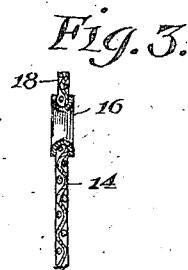
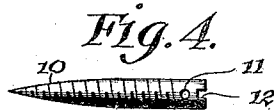
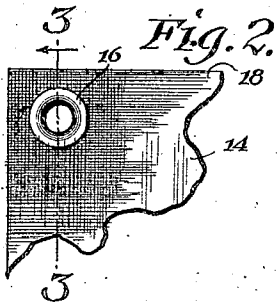
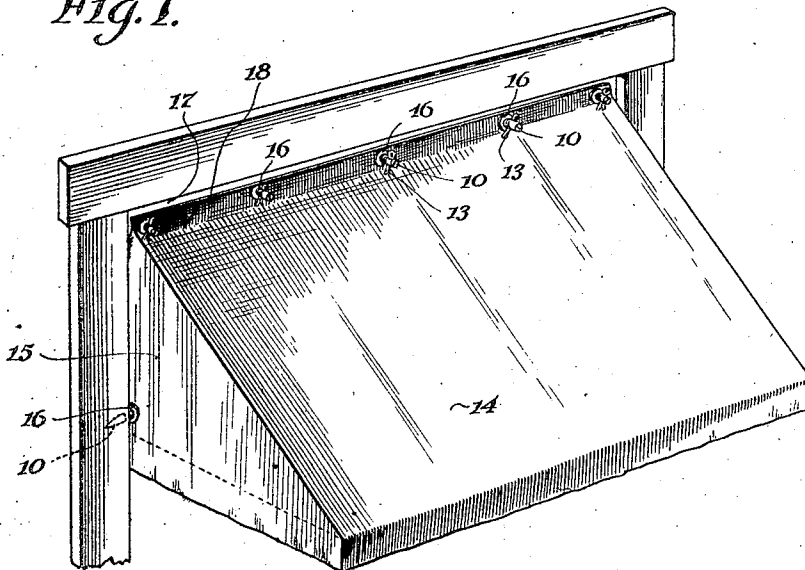


Fig. 6.

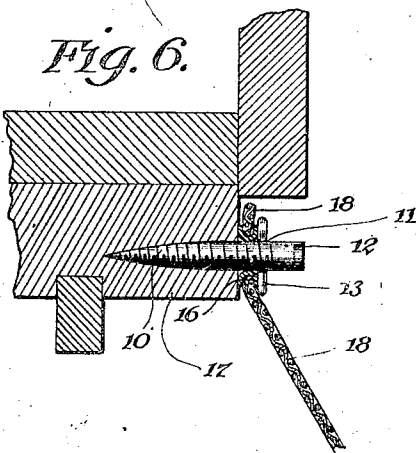
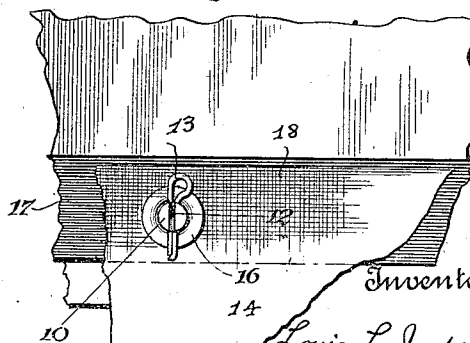


Fig. 7.



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UNITED STATES PATENT OFFICE.

LOUIS L. JUDGE, OF BALTIMORE, MARYLAND.

FASTENER FOR EYELETED EDGES OF FABRICS.

Application filed May 6, 1922. Serial No. 558,877.

To all whom it may concern:

Be it known that LOUIS L. JUDGE, a citizen of the United States, residing at Baltimore, in the State of Maryland, has invented certain new and useful Improvements in Fasteners for Eyeleted Edges of Fabrics, of which the following is a specification.

This invention has reference to an attachment which is especially designed for securing the eyeleted edges of awnings or edges of fabrics carrying rings, in place, but may be utilized to secure the eyeleted edges of any fabric in place in the place of nails, hooks or ordinary screws which are commonly used.

The object of the invention is to provide a screw-threaded fastening of improved construction whereby the metal or other eyelet or ring secured to a piece of fabric at or adjacent to the edge thereof may be engaged in such a way as to prevent longitudinal movement of said eyelet or ring on the fastening when it is desired to secure the fabric piece in place.

While I have elected to show the device in connection with an awning fabric the invention is not to be limited to this use.

The invention is illustrated in the accompanying drawing, wherein,—

Fig. 1. shows an example of an awning with eyelets therein which latter are to be held to a window frame or to a cornice of a store window.

Fig. 2. illustrates a fragment of the fabric with an eyelet therein.

Fig. 3. shows a sectional view through the same.

Fig. 4. illustrates the improved screw-threaded member of the improved fastening.

Fig. 5. shows a view of a cotter-pin to be used in connection with the fastening.

Fig. 6. illustrates a sectional detail through a window or cornice structure to which an awning fabric is secured with one of the improved devices, and

Fig. 7. shows a front view of the same.

Referring to the drawing the numeral 10, designates a screw-threaded shank much like an ordinary wood screw but in this instance having a perforation 11 extending diametrically therethrough and open at both ends.

In this instance I have omitted the ordinary head of the wood-screw and have provided the outer end thereof with a cross-slot 12, for engagement by a screw-driver. It will be obvious however that a screw-

threaded fastening with a head is just as applicable as one without a head, but I prefer to omit the head because the body of the fastening may be large and still pass through an eyelet-hole whereas the head would have to be small enough to pass through the eyelet and the body would then be smaller in diameter.

I also make use of a securing device that may be passed through the perforation 11 in the screw and while this securing device may have a variety of forms, such as pins or split rings, I prefer to use a simple cotter-pin 13, as shown in Fig. 5 of the drawing.

While various kinds of curtains, tenting, awnings or other fabrics are frequently provided with eyelets and are fastened to form shields from rain, snow or sun, I have elected to show my invention in connection with one type of awning in which there is a front 14, and a side flap 15.

These awnings are usually provided with a series of metal eyelets 16, at such places where it is desired to effect their attachment to a cornice or window-frame, and my invention is especially designed to provide a permanent device to be screwed into the woodwork so as to receive and hold those eyelets in such way as to prevent them from sliding longitudinally on the said device, as they do when a gust of wind gets beneath the awning and bulges the same outwardly.

In many instances these eyelets are held by the heads of screws, which means that each time the awning is taken down the screw must be removed and thus leave the hole in the wood exposed to the elements which causes decay to set in.

My fastening device is designed to be screwed into the woodwork and left there, even when the awning is removed, so that defacement of the woodwork and decay of the same will be prevented while at the same time a permanent and rigid fastening will be maintained.

As an illustration of the application of the invention, attention is directed to Figs. 6 and 7 of the drawing wherein it will be presumed that the reference numeral 17 designates the cornice or woodwork of a window frame or other structure to which an edge 18 of the awning or other fabric 14 is to be attached,—it being presumed that said fabric-edge 18 is provided with a series of eyelets 16.

The screw-threaded shanks 10, will be

screwed into the woodwork 17 at spaced intervals equal to the distance between the centers of the respective eyelets.

The fabric with the eyelets attached thereto is then hung from the shanks,—the latter passing through the eyelets. The cotter-pin 13 or other device is then inserted through the perforation 11 of the shank on the outer side of the eyelet so that the latter cannot slip off of the outer end of the shank. The screw-shank is then engaged by a screw-driver and given just enough turn to move the cotter-pin or other holding device 13 inwardly and into clamping engagement with the outer side of the eyelet which will clamp the eyelet between the woodwork at the inner side and the cotter-pin or other device at the outer side.

This operation will be repeated at each eyelet so that every eyelet will be clamped in place and loose movement of the latter will be prevented.

In some instances the edges of the fabric are provided with rings attached thereto and the threaded fastenings are passed through those rings instead of eyelets, but it is ob-

vious that in such instances the rings are merely an equivalent of the eyelets and the term eyelets herein used in the specification and claims is to be construed to include either eyelets or rings.

Having described my invention, I claim,—

1. A fastener for eyeleted edges of fabrics comprising a threaded shank having a pointed end to screw into woodwork and of a diameter to permit an eyelet to be inserted over the outer end thereof said shank being provided with a diametrically extending perforation near its outer end and means for entering said perforation to engage the outer side of the eyelet.

2. A fastener for eyeleted edges of fabrics comprising a threaded shank having an inner pointed end to screw into woodwork and at its outer end said shank being provided with a screw-driver slot,—said shank also having a diametrically-extending perforation adjacent to its slotted end, and means for entering said perforation to engage the outer side of an eyelet.

In testimony whereof I affix my signature.

LOUIS L. JUDGE.