J. A. LENHOFF.

ATTACHMENT FOR AWNINGS.

APPLICATION FILED AUG. 17, 1921.

1,422,772.

Patented July 11, 1922.

Fig. 1.

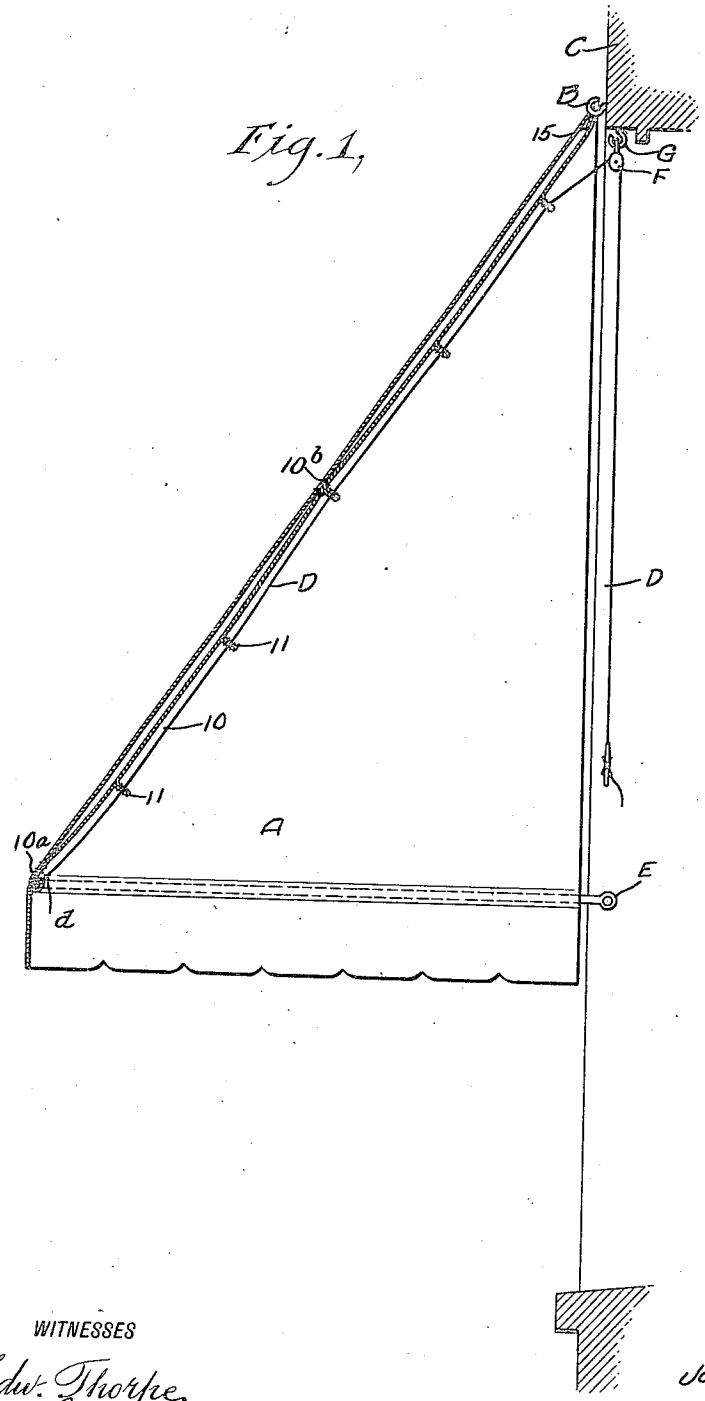
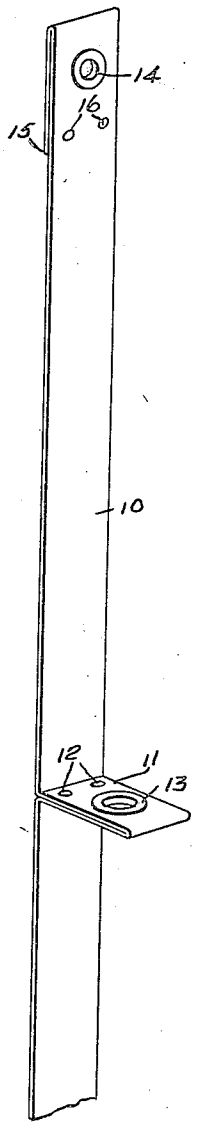


Fig. 2.



WITNESSES

Edw. Thorpe.

J. Lmcauliffe

INVENTOR

JOHN A. LENHOFF

BY Munn & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN AMBROSE LENHOFF, OF HOCKESSIN, DELAWARE.

ATTACHMENT FOR AWNINGS.

1,422,772. Specification of Letters Patent. Patented July 11, 1922.

Application filed August 17, 1921. Serial No. 493,165.

To all whom it may concern:

Be it known that I, JOHN AMBROSE LENHOFF, a citizen of the United States, and a resident of Hockessin, in the county of New Castle and State of Delaware, have invented a new and Improved Attachment for Awnings, of which the following is a description.

In the raising of awnings by a cord with the usual arrangement, the awning material tends to be drawn in between the cord and the pulley which prevents the awning from being raised affording annoyance and inconvenience to the operator and resulting in the gradual biting or wearing of holes in the awning material.

Moreover, with the ordinary arrangement there is a rubbing contact of the cord against the awning material causing wear.

The general object of my invention is to provide an attachment which may be used in connection with an awning and through which the cord passes to guide the cover and in a manner to maintain the cord out of rubbing contact with the awning and to prevent the material of the awning from being caught at the pulley.

More specifically, the invention has for its object to embody the invention in a strip which may be applied to awnings as put out, and of a character that it may be produced at a low cost.

The invention also has for an object to provide a strip of the character to be strong and durable.

Reference is to be had to the accompanying drawings, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a vertical section of an awning equipped with my improved strip;

Figure 2 is a fragmentary perspective view showing a portion of the strip on an enlarged scale.

In carrying out my invention in accordance with the illustrated example, I provide a strip 10 preferably of strong canvas and I form the same with tabs 11 projecting from the back of the strip.

Advantageously, in practice the tabs are produced by doubling the material of the strip 10 on itself and riveting as at 12. Each tab 11 has a grommet or eyelet 13. At the upper end the strip has a grommet or eyelet 14, the strip being strengthened at this point by doubling over the material 15 and if desired riveting as at 16. The formation at the upper end may be considered in effect a tab as 11, but disposed in the plane of the strip.

In use the strip 10 is disposed along the back of the awning and the lower end is stitched as at 10^a or otherwise fastened to the awning. The strip is also fastened to the awning about midway its length as at 10^b so as to prevent the strip 10 from twisting around at this point, when the awning is being raised. The grommet 14 at the upper end of the strip is adapted to engage over one of the hooks (B) on which the awning A is suspended, the hooks being fixed on the building for suspending the form of awning illustrated. The cord D for raising and lowering the awning is secured as at *d* and at its lower end in its usual manner to the bottom of the awning at the frame E thereof and it is passed through the grommets 13 of the several tabs 11, the cord being passed over the usual pulley F suspended from the hook G.

With the described arrangement there will be no rubbing action between the cord D and the adjacent awning surface and the strip prevents the material of the awning from running with the cord D into engagement with the pulley F.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the mechanical details herein illustrated, since, manifestely, the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. An attachment for awnings, consisting of a flexible strip adapted to be secured at one end to the awning to rise and fall with the raising and lowering of the awning, the opposite end of the strip having means to secure it to the structure on which the awning is provided, said strip having eyelets through which the awning cord may pass.

2. An attachment for awnings consisting of a flexible strip having means to suspend its upper end independently to be free of the awning, the lower end being adapted to be secured to the awning, and tabs on said strip affording passage for the awning cord.

3. An attachment for awnings consisting of a strip of flexible material, doubled on it-

self at intervals to provide tabs, the folds of the tabs being fastened to give the tabs permanency, and said tabs having eyelets for the passage of the awning cord therethrough, the strip having a suspending eyelet at its upper end adapted to secure it to a supporting structure independently of the awning.

4. The combination with an awning, its raising and lowering cord, and the cord pulley, of a separate strip disposed between the awning and the cord and free from said awning adjacent to the pulley to prevent the awning material from running into the pulley, said strip having means to afford running engagement of the cord.

5. An attachment for awnings consisting of a protective strip having means to suspend it at its upper end to be free of the awning material at said end, and means to effect running engagement with the awning cord to position the strip between the cord and the awning material, to prevent the awning material from running into the cord material.

6. An attachment for awnings consisting of a flexible strip separate from the awning material and having means to secure it to the awning at separate points to rise and fall with the raising and lowering of the awning, and be free from the awning material between said securing points, said strip having means to secure it independently of the awning to the structure on which the awning is supported, said strip furthermore having eyelets offset therefrom through which a hoisting and lowering cord of the awning may pass.

JOHN AMBROSE LENHOFF.