

(No Model.)

W. W. WILCOX.

SAIL GROMMET.

No. 382,922.

Patented May 15, 1888.

Fig. 1.

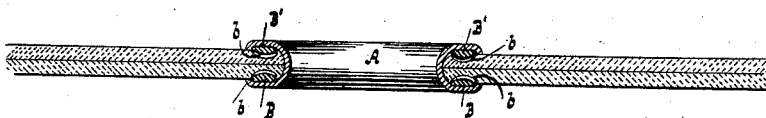


Fig. 2.

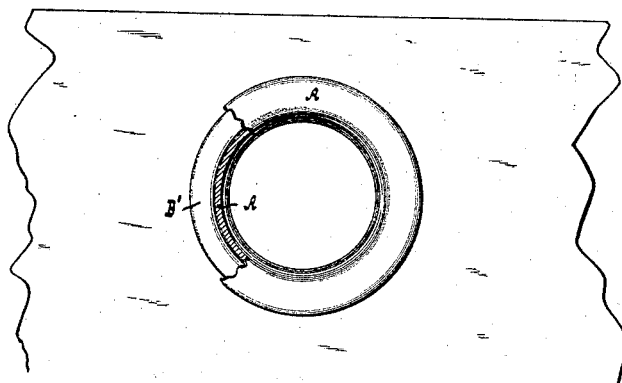


Fig. 3.

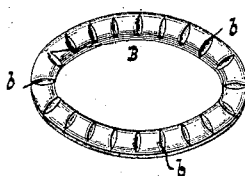


Fig. 4.

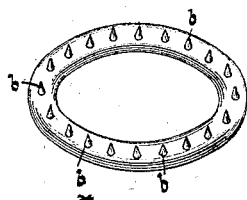


Fig. 5.

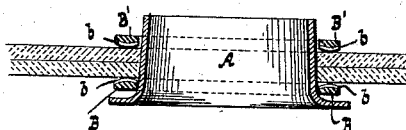
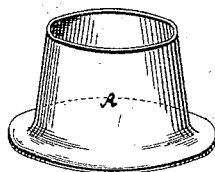


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM W. WILCOX, OF MIDDLETOWN, CONNECTICUT.

SAIL-GROMMET.

SPECIFICATION forming part of Letters Patent No. 382,922, dated May 15, 1888.

Application filed March 8, 1888. Serial No. 266,516. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. WILCOX, a citizen of the United States, residing at Middletown, in the county of Middlesex and State of Connecticut, have invented new and useful Improvements in Sail-Grommets, of which the following is a specification.

This invention relates to a sail-grommet composed of an eyelet and two rings having roughened bearing-surfaces, as fully described in the following specification and claim and illustrated in the accompanying drawings, in which—

Figure 1 represents a central section of my sail-grommet when secured to a piece of sail-cloth. Fig. 2 is a plan or face view of the same, partly in section. Fig. 3 is a perspective view of one of the rings detached. Fig. 4 is a similar view of a modification of the same. Fig. 5 is a perspective view of the eyelet detached. Fig. 6 is a central section of the eyelet and the rings as applied to a piece of sail-cloth before the eyelet is clinched.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates an eyelet, which is by preference made of sheet-brass or sheet-steel, but which may also be made of cast metal.

B B' are two rings of equal diameter, which fit the barrel of the eyelet loosely, and one surface of each of which is roughened by forming thereon projections or barbs b, Figs. 3 and 4. These rings are by preference made of cast or malleable iron or steel; but they may also be struck up of sheet metal, if desired.

In order to apply my sail-grommet to a sail, I form in the sail a hole just large enough to admit the barrel of the eyelet. Then I place upon the eyelet one of the rings, B, with its barbed or roughened face upward, as shown in Figs. 1 and 6. Then I pass the barrel of the eyelet through the hole in the sail-cloth and place on its projecting end the ring B', with its barbed or roughened face downward, (see Fig. 6,) and finally I clinch the eyelet in the usual manner. By these means the barbed or roughened surfaces of the rings B B' become firmly embedded in the sail-cloth; and, furthermore, the inner surface of the hole of the grommet is convex or bulging inward, as seen in Fig. 1, so that the grommet is firmly retained in position, and at the same time the convex inner surface of the hole produces the least possible chafing action upon the rope which passes through the grommet.

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

A sail-grommet composed of an eyelet, A, and two rings, B B', of equal diameter, adapted to surround the eyelet-barrel loosely on opposite sides of the sail-cloth, the opposing faces of said rings being roughened or barbed, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

WILLIAM W. WILCOX. [L. S.]

Witnesses:

W. C. HAUFF,

E. F. KASTENHUBER.