No. 748,960. PATENTED JAN. 5, 1904.

E. G. LAMB.

SHEER POLE SUPPORT.

APPLICATION FILED OCT. 2, 1903.

NO MODEL.

Fig. 1.

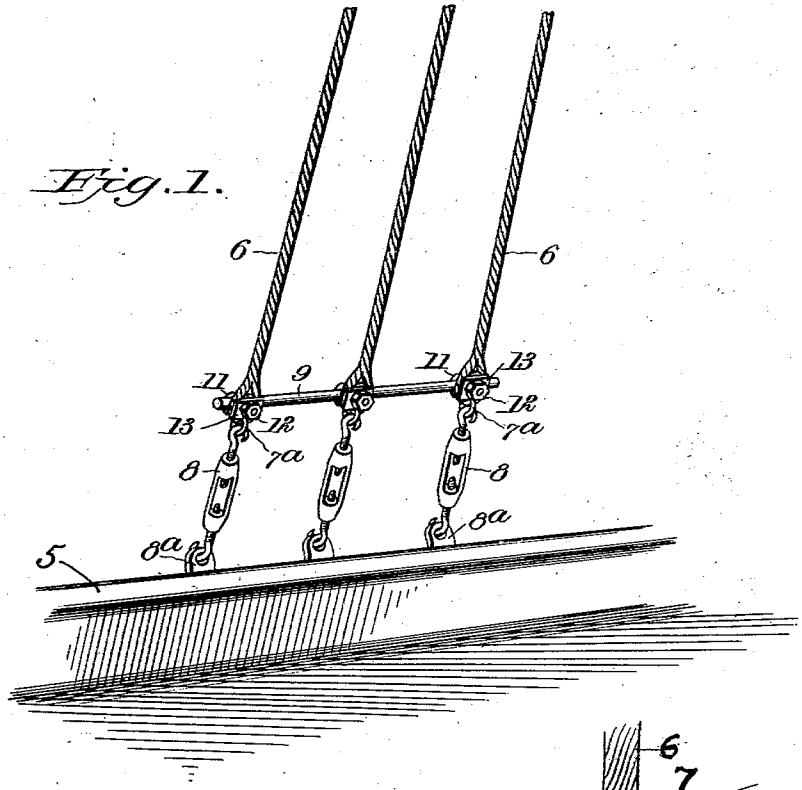
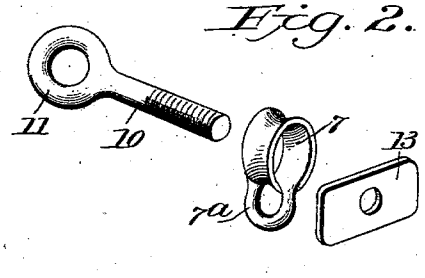


Fig. 2.



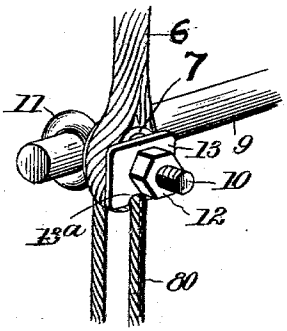


Fig. 3.

Witnesses

C. M. Walker.

Wm. B. Hodges

Inventor

E. G. Lamb

By Wright, Brown & Quinby

Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 748,960. Patented January 5, 1904.

UNITED STATES PATENT OFFICE.

ERNEST G. LAMB, OF CAMDEN, MAINE.

SHEER-POLE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 748,960, dated January 5, 1904.

Application filed October 2, 1903. Serial No. 175,477. (No model.)

To all whom it may concern:

Be it known that I, ERNEST G. LAMB, of Camden, in the county of Knox and State of Maine, have invented certain new and useful Improvements in Sheer-Pole Supports, of which the following is a specification.

This invention relates to improvements in the support for the sheer-poles of rigging, or the means whereby sheer-poles are secured to the shrouds. The most common arrangement heretofore is to lash or seize the sheer-pole, or "stretcher," as it is sometimes called, to the shrouds at the top of the dead-eyes or thimbles, the object being to prevent the shrouds from twisting at that point. The dead-eyes or thimbles at the lower ends of the shrouds are connected by lanyards or turnbuckles to eyes or to another row of dead-eyes or thimbles secured to the chain-plate or shroud-plate on the outside and below the top of the bulwark or rail of the vessel. It is always desirable that the lanyards or turnbuckles should not become twisted under the strain of the shrouds or from other cause, and since anything introduced between the lanyards themselves to prevent their twisting would interfere with taking up the lanyards when it is desired to tighten the shrouds, it has been the custom to lash or seize the sheer-pole directly to the shrouds just above the dead-eyes or thimbles; but it is difficult to lash the parts with sufficient firmness to absolutely prevent the shrouds from twisting within the lashings, and if the sheer-pole were introduced through the eyes of thimbles at the lower ends of the shrouds it would necessarily hold the thimbles turned at a right angle to the line of the bulwark or rail, an arrangement that would be objectionable for many reasons.

The object of this invention is to provide an improved means of attaching the sheer-pole to the shrouds, to dispense with the seizing or lashing, and to insure against any possible twisting of the shrouds.

To these ends the invention consists in the construction and combination of parts, substantially as hereinafter described and claimed.

Figure 1 represents a perspective view of a portion of the bulwark of a vessel, showing the sheer-pole as secured to the shrouds by my improved attachment, a common form of turnbuckle being shown as the means for tightening the shrouds. Fig. 2 represents in perspective the several parts of my improved attachment on a larger scale than in Fig. 1. Fig. 3 represents the invention as it may be employed where lanyards are the means for tightening the shrouds.

The rail or bulwark of the vessel is indicated at 5 and the shrouds at 6, said shrouds having thimbles 7 at their lower ends, said thimbles being connected to similar thimbles or eyes attached outside the bulwark or rail, as usual. As shown in Fig. 1, the connection may comprise an ordinary type of turnbuckle 8, connecting eyes 7^a, carried by the thimbles, with eyes 8^a of shroud-plates attached outside the bulwark or rail; or such connection may consist of ordinary lanyards, such as indicated at 80 in Fig. 3, the recess 13^a in the washer-plate 13, hereinafter described, permitting the reeving of the lanyards through the thimble 7.

As above stated, it has heretofore been customary to secure the sheer-pole 9 to the shrouds above the thimbles or dead-eyes by seizing or lashing it thereto as firmly as possible. According to my improvement, however, I pass through each thimble the shank 10 of an eyebolt, (see Fig. 2,) with the sheer-pole socket or eye 11 on the outside of said thimble, and secure it by a nut 12. A washer or plate 13 is placed on the shank 10 on the inner side of the thimble, the nut bearing against said washer and the eye 11 entering partly within the thimble on the other side. Said washer may have a recess, as at 13^a in Fig. 3, to permit the lanyards, when such are employed, to be hauled for setting up the rigging without first loosening the nuts 12. In this case a similar washer having a similar recess may be located between the other side of the thimble and the eye of the bolt.

The sheer-pole 9 is passed through the sockets or eyes 11 of the several bolts, and if not a tight fit therein the eyes may be turned slightly to grip the pole and the nuts 12 then set up tightly, after which the pole can have no endwise movement. Sometimes, however, the sheer-pole is made with an eye at one end for convenience in attaching a rope or tackle. In such case said eye at one end and a nut at

the other end would prevent longitudinal movement of the sheer-pole.

When but two shrouds are employed and the sheer-pole is formed with enlargements having holes for the reception of belaying-pins, as is a common structure, the eyes 11 of the bolts may be slipped on the sheer-pole from opposite ends of the latter, and the said enlargements will prevent endwise slipping of the sheer-pole.

It will readily be understood that when a yacht or other vessel is equipped with rigging having the shroud-tightening turnbuckles provided with thimbles which are integral with or welded to the upper ends of the upper screw members of such buckles, which thimbles are inclosed by the shroud-loops, then the shanks 10 of the eyebolts will be passed through such thimbles and supported thereby in the same manner as above described in connection with thimbles 7, which are separate from the turnbuckles.

It will now be understood that with the several eyebolts passed through the several thimbles of the shrouds and the sheer-pole supported by and connecting the eyes of the bolts it will be impossible for the shrouds to twist to the slightest extent. At the same time I have provided means which enable the parts to be much more quickly, firmly, and reliably connected than when the sheer-pole is seized to the shrouds. Also the parts can be more quickly and easily separated when occasion requires.

The sockets or eyes 11 of the sheer-pole supports are shown as complete circles, because they are thereby rendered stronger; but it is to be understood that the omission of a portion of the circle, while still leaving enough of the metal to receive and support the sheer-pole, would not provide a structure outside of the spirit and scope of my invention. It would still be practically an eyebolt.

I claim—

1. A sheer-pole support, comprising an eyebolt adapted to be secured in a thimble at the lower end of a shroud and to receive the sheer-pole in the eye, and a nut for securing the eyebolt in position.

2. A sheer-pole support, comprising an eyebolt adapted to be secured in a thimble at the lower end of a shroud and to receive the sheer-pole in the eye, a washer to bear against the thimble, and a nut for securing the eyebolt in position.

3. The combination with the shrouds of a vessel having thimbles at their lower ends, of sheer-pole supports mounted in said thimbles and having sockets adjacent to the thimbles, and a sheer-pole mounted in said sockets.

4. The combination with the shrouds of a vessel having thimbles at their lower ends, of eyebolts secured in said thimbles, and a sheer-pole supported in the eyes of the bolts.

5. The combination with the shrouds of a vessel having thimbles at their lower ends, of eyebolts having their shanks extending through said thimbles with their eyes on the outer side of the thimbles, nuts securing the said shanks in position, and a sheer-pole passed through and supported by said eyes.

6. The combination with the shrouds of a vessel having thimbles at their lower ends, of eyebolts having their shanks extending through said thimbles with their eyes on the outer side of the thimbles, nuts securing the said shanks in position, washers clamped against the sides of the thimbles, and a sheer-pole passed through and supported by said eyes.

In testimony whereof I have affixed my signature in presence of two witnesses.

ERNEST G. LAMB.

Witnesses:
OSCAR FORD,
W. H. HARRINGTON.