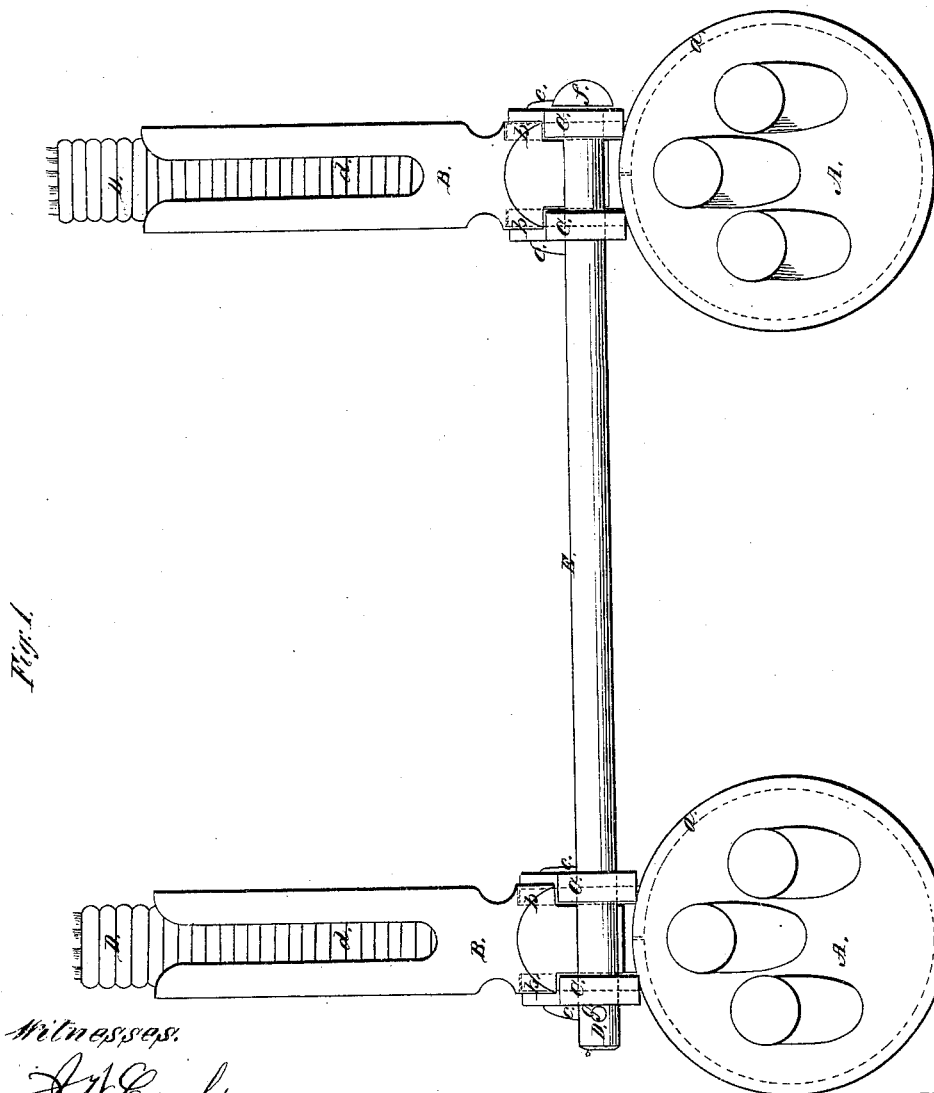
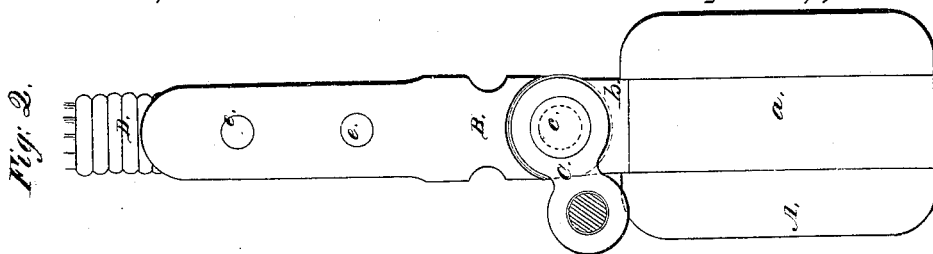


E. Smith
Sails & Rigging
N^o 50,046. Patented Sept. 19, 1865.



Witnesses:
J. H. Corbals
G. W. Reed,

Inventor:
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UNITED STATES PATENT OFFICE.

EDWARD SMITH, OF NEW YORK, N. Y.

IMPROVED MEANS OF ATTACHING SHEER-POLES TO STANDING RIGGING.

Specification forming part of Letters Patent No. **50,046**, dated September 19, 1865.

To all whom it may concern:

Be it known that I, EDWARD SMITH, of the city, county, and State of New York, have invented a new and useful Improvement in the Standing Rigging of Ships and other Vessels; and I do hereby declare that the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 represents a side view of two dead-eyes and portions of the shrouds, exhibiting the mode of applying the sheer-pole. Fig. 2 is a view at right angles to Fig. 1.

Similar letters indicate corresponding parts in both figures of the drawings.

The object of this invention is to provide a simple, neat, and durable means for fastening sheer-poles to standing rigging when the lower ends of the shrouds are inserted and secured in sockets, which method is now generally used in steamships and yachts.

The seizing commonly used for fastening the sheer-pole is soon cut by the working of the dead-eye. This will loosen the sheer-pole, and the shrouds will turn and twist the lanyards, which will then be chafed and injured. The staple sometimes used in place of the seizing is apt to interfere with the free working of the dead-eye on the point or hinge which connects it with the socket receiving the lower end of the shroud. My invention dispenses both with the seizing and the staple, and consequently obviates their defects.

I will now describe the construction and application of my invention, so that others skilled in the art may be enabled to make and apply it.

A A A are the dead-eyes. Around each dead-eye a strong iron band or strap, *a*, is accurately fitted into a groove provided for that purpose. Each iron band or strap has two projecting ears, *b b*, of proper strength and a sufficient distance apart. The lower end of a socket, B, is fitted neatly between the two projecting ears *b b*. A hole is then drilled through them and through the end of the socket. Two short links or sheer-pole holders, C C, of proper

strength, and each provided with a hole at each end of sufficient size, are then placed one on each side of the ears *b b*, and a bolt, *c*, is put through the holes of the ears *b b*, through the corresponding holes in the lower end of the socket B, and through one of the holes of each link or sheer-pole holder C, and these parts are then riveted together in such a manner that they can be made to move like a hinge. These sockets B are made with a slit, *d*, on two sides opposite each other, and into each of these sockets the lower end of a shroud, D, is inserted and firmly secured therein by means of rivets *e e* being put through the socket B and the end of the shroud D and then firmly riveted together. The socket B, having been slitted, causes the lower end of the shroud to be firmly grasped by the said socket while they are being riveted, and in this manner a firm and durable connection is produced. The sheer-pole E is then put through the other holes of the links or sheer-pole holders C until it has passed through all the links, and is then secured therein by means of a shoulder, *f*, at one end, and a pin, *g*, or a nut at the other end. The upper ends of the shrouds are fastened in the usual manner, and the upper and lower dead-eyes are connected by the lanyards, as is well understood by every one acquainted with the subject.

Having thus fully described my improvement in sheer-pole fastenings, what I claim therein as new, and desire to secure by Letters Patent, is—

The attachment of the sheer-pole to the lower part of each of the sockets B B, which receive the shrouds, by means of two links, C C, one on each side of the socket, the said links being attached to the said socket by means of the joint-pins *c c*, which connect the said socket with the dead-eye, all substantially as herein described.

EDWARD SMITH.

Witnesses:

J. W. COOMBS,
G. W. REED.