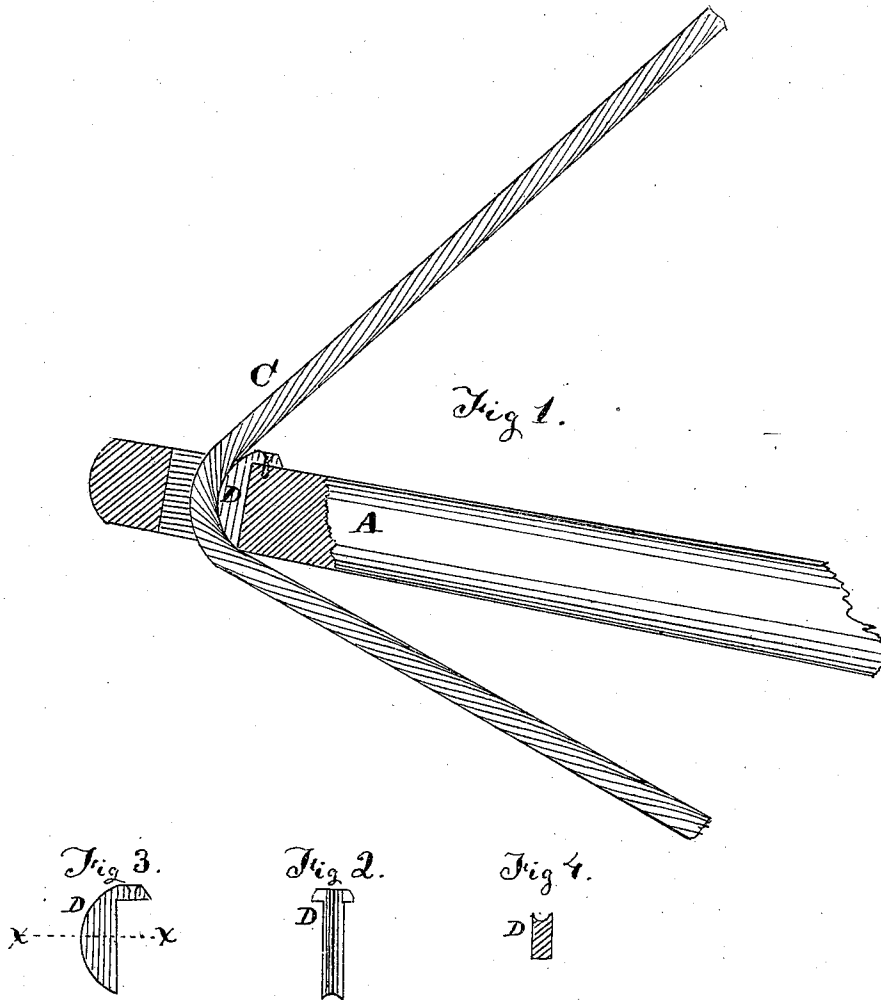


T. LYNCH.

Improvement in Backers for Jib-Stays.

No. 132,971.

Patented Nov. 12, 1872.



Witnesses.

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UNITED STATES PATENT OFFICE.

THOMAS LYNCH, OF PEACEDALE, RHODE ISLAND.

IMPROVEMENT IN BACKERS FOR JIB-STAYS.

Specification forming part of Letters Patent No. **132,971**, dated November 12, 1872; antedated November 11, 1872.

To all whom it may concern:

Be it known that I, THOMAS LYNCH, of Peacedale, in the county of Washington and State of Rhode Island, have invented a certain Improved Backer for the Jib-Stays of Vessels, of which the following is a specification:

This invention relates to the use of wire-ropes for vessel's stays; and consists in putting a block of metal made in the proper shape in the recess made in the boom for the wire-rope to pass through, between the rope and end of the recess, to prevent the wire-rope from cutting back and splitting the boom.

Figure 1 shows an elevation of a part of a jib-stay and boom, a portion of the boom being removed to show the position of the backer. Fig. 2 is a front view of the backer, separate. Fig. 3 is a side view of the backer. Fig. 4 is a cross-section in direction of line *x x*, Fig. 3.

A is the outer end of a jib-boom. C is the wire-rope constituting the jib-stay. D is the backer, which is made of metal, and has a curved face in front, slightly grooved to receive the wire-rope or stay, its back being made square to have a good bearing on the wood at the end of the recess in which it is

put. The upper end of the backer D projects back so as to form a cap, through which screws or pins are put to hold it in place. A sheave has been put in the recess to take the strain of the jib-stay, but it is objectionable for several reasons. It weakens the boom by making another hole in it; the pin of the sheave is very liable to break from the great strain thrown upon it, and to cut back and split the boom, from the small bearing it has on the wood; it also allows too much freedom of motion to the parts controlled by the stay. All these objections are obviated by this backer D, which, as it can be made of cast-iron and very easily applied, leaves no objection on account of cost or durability.

Having thus described my improvement, what I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture the block or backer D, constructed substantially as herein shown and described.

THOMAS LYNCH.

Witnesses:

J. A. BROWN,
ELIZA D. BROWN.