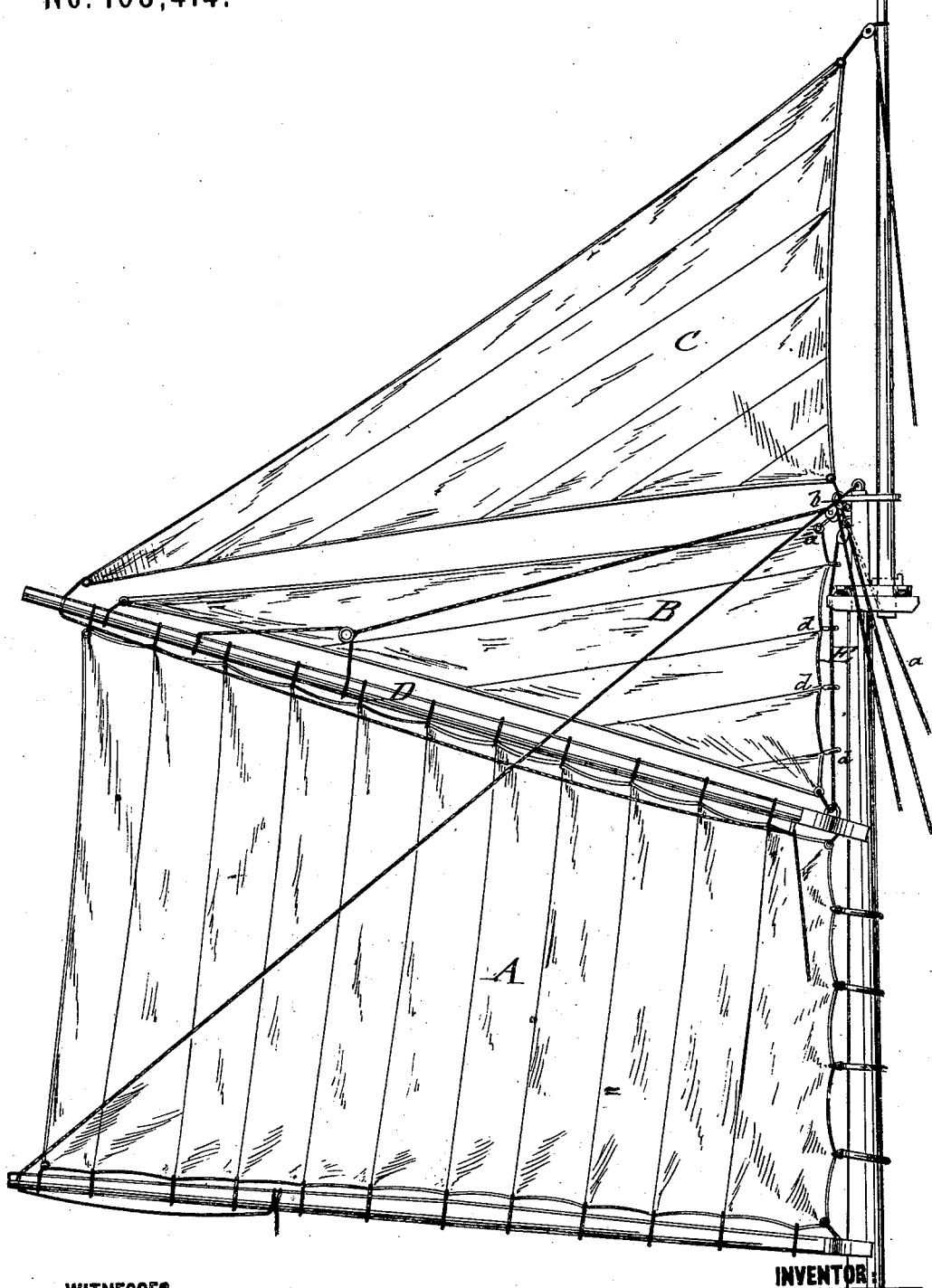


E. RAWLEY.

Means for Reefing and Furling Sails.

No. 168,414.

Patented Oct. 5, 1875.



WITNESSES:

*Cmas. Noto*  
*A. F. Terry*

INVENTOR

*E. Rawley*  
BY *Mumford*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

EDWARD RAWLEY, OF NORTH UNION, MAINE.

## IMPROVEMENT IN MEANS FOR REEFING AND FURLING SAILS.

Specification forming part of Letters Patent No. **168,414**, dated October 5, 1875; application filed August 21, 1875.

*To all whom it may concern:*

Be it known that I, EDWARD RAWLEY, of North Union, in the county of Knox and State of Maine, have invented a new and Improved Mainsail, of which the following is a specification:

The accompanying drawing represents a side elevation of my mainsail improvement.

The invention relates to an improvement in the rig of fore-and-aft vessels of the class in which a triangular sail is arranged directly above the mainsail.

The invention consists in so arranging a single rope that it performs the office of a halyard for the triangular sail and mainsail-gaff; also a stay for the former, as hereinafter described.

In the drawing, A is the mainsail, and B a triangular sail, arranged intermediately between the top-sail C and the gaff D of the mainsail. The triangular sail B is applied without blocks at the two lower corners to the

gaff, its upper or top corner being raised or lowered by a single halyard and tackle-block *b*. The narrow side of the sail near the mast runs by rings *d* along the gaff-halyard E. The triangular sail is readily raised and dropped, being reefed to the gaff in the customary manner. The use of the intermediate triangular sail allows the easier handling and control of the mainsail, while giving the same surface to the wind.

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

The combination of rope E with mainsail-gaff D and triangular sail B, all arranged as shown and described, whereby it performs the function of a halyard and stay, as set forth.

EDWARD RAWLEY.

Witnesses:

H. BLISS, Jr.,  
E. G. WEBBER.