

S.S. "Marianne" Gen report  
No 12846

## CERTIFICATE FOR STEEL WIRE RIGGING.

We hereby Certify that the — fathoms of  
 $3\frac{3}{4}$  inch circumference galvanized Steel Wire Rigging  
 supplied to Messrs Russell & Co. For Glasgow  
 for the Ship No 462. is  
 composed of ~~six~~ strands, each containing ~~seven~~ wires of  $.115$  inch  
 diameter, and that the several wires, after being galvanized, have  
 been subjected to, and have successfully withstood, the following  
 tests, viz.:

Each wire has withstood a tensile stress at least equivalent to that  
 set forth in Table No. 11 of the Rules of Lloyd's Register  
 of Shipping, and the aggregate strength of the wires is not less  
 than 10 per cent. in excess of that stress.

Each wire has been twisted eight times round itself as a core, and  
 untwisted again and straightened without fracture.

No hemp has been used in the strands, a hemp core only being fitted.

We guarantee that the Steel Wire Rigging of  
 $3\frac{3}{4}$  inches in circumference above described will bear a strain  
 of 19 tons without breaking.  
 (Nineteen)

Warrington

THE WHITECROSS CO. LIMITED

Manufacturers.

October 4 1900