

TELEGRAPHIC ADDRESS:-  
"WIRE" WARRINGTON.  
TELEPHONE N<sup>o</sup> 11.



WIRE MILLS, WIRE ROPE,  
WIRE NETTING.  
& GALVANIZING WORKS.

From Rylands Brothers, Limited,  
Warrington *Jan 22<sup>nd</sup> 1899*

### Certificate for Steel Wire Rigging.

We hereby Certify, that the *702  $\frac{2}{3}$*  fathoms of  
*4  $\frac{1}{2}$*  inch circumference galvanized Steel Wire Rigging  
supplied to *Mess<sup>rs</sup> W. Hamilton & Co.*  
for their boat *N<sup>o</sup> 131.* is  
composed of *6* strands, each containing *7* wires of *160* 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 N<sup>o</sup> 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  
*4  $\frac{1}{2}$*  inches in circumference above described will bear a strain  
of *38* tons without breaking.

for Rylands Brothers, Limited.  
*J. E. Hulme*  
Secretary.