

Spoke "No 1" 1800

CERTIFICATE FOR STEEL WIRE HAWSER.

*We* hereby Certify that the 100 fathoms of  
4 $\frac{1}{4}$  inch circumference galvanized Steel Wire Hawser  
supplied to

for the \_\_\_\_\_ is  
composed of 6 strands, each containing 12 wires of .085 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. 22 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 around itself as a core, and  
untwisted again and straightened without fracture.

*We* guarantee that the Steel Wire Hawser of  
4 $\frac{1}{4}$  inches in circumference above described will bear a strain  
of 35 tons without breaking.

Arch<sup>r</sup> Thomson & Co.

Manufacturers.

Glasgow

25 February 1891

