

R. S. NEWALL & SON, L^{TD},
Wire Rope Manufacturers.

CERTIFICATE FOR STEEL WIRE HAWSER.

We hereby Certify that the 170 fathoms of
 $7\frac{1}{2}$ inch circumference galvanized Steel Wire Hawser
supplied to Messrs A Weir & Co
for the Ship "Bedarbank" is
composed of 6 strands, each containing 17 wires of .055 inch
diameter, and that the several wires, after being galvanized, have
been subjected to, and have successfully withstood, the following
tests, viz.:-

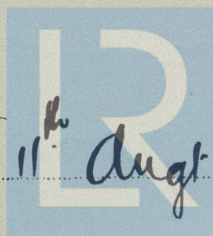
Each wire has withstood a tensile stress at least equivalent to that
set forth in Table No. 22 of the Rules of Lloyd's Register
of Shipping, and the aggregate strength of the wires is not less
than 10 per cent in excess of that stress.

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

We guarantee that the Steel Wire Hawser of
 $7\frac{1}{2}$ inches in circumference above described will bear a strain
of 17 tons without breaking.

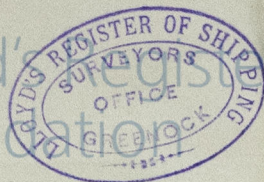
For R. S. Newall & Son, Ltd
Peter Ferguson
Manufacturers.

19 Royal Exchange Square,
Glasgow.



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