

Gen report No 12684

BULLIVANTS' FLEXIBLE STEEL WIRE HAWSERS.

TEST CERTIFICATE FOR STEEL HAWSER.

(REQUIRED BY LLOYDS)

We hereby Certify that the ^{2 each 52 feet} ^{2 34 fathoms of}
 one three quarter inch circumference galvanized Steel Wire ~~Hawser~~ ^{Rope} supplied
 to Mess^{rs} Russell & Co.
 for their S.S. No 458 "Eden" is composed of seventy-two wires
 (Number 21 Imperial Standard Wire Gauge) 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 strain of two cwt.

It has withstood being twisted forty eight times in itself in a length
 of eight inches.

It has been doubled and twisted eight times round itself as a core
 and untwisted again without fracture.

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

BULLIVANT & COMPANY, LTD

Frederick Bullivant
 Director.

Issued to Mess^{rs} Russell & Co.
 Port Glasgow.

Date 10th Feb^{ry} 1900.

DUPLICATES OF THIS CERTIFICATE
 CANNOT BE SUPPLIED.



GRK 351-0214