

Nesson Swan Hunter & W Richardson S-S-740 Donkey Boiler

REPORT ON BOILERS. No. 49459

Port of Newcastle on Tyne Received at London Office FRI. 6 OCT 1905

Survey held at Newcastle Date, first Survey Last Survey Oct 2 1905

on the Steel S. S. "LESTRIS" Tons Gross 1384 Net 675

By whom built Swan Hunter & W Richardson When built 1905

By whom made Swan Hunter & W Richardson Ltd when made 1905

Owners Cook S. S. Co. Ltd Port belonging to Cook

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer & Son.

Total Heating Surface of Boiler Is forced draft fitted No No. and Description of

Working Pressure 80 Tested by hydraulic pressure to 160 Date of test 24/8/05

Area of fire grate in each boiler 28 ft No. and Description of

Area of each valve 5-9 in Pressure to which they are adjusted 80

Mean dia. of boilers 9-10 7/8 Length 7-5

Range of tensile strength 28 3/4 / 32 Are the shell plates welded or flanged No

Size of manhole in shell 16 x 12 Size of compensating ring 7 1/2 x 9 1/16

Material S Outside diameter 37 1/2 Length of plain part top 4-11 bottom 5-6

Working pressure of furnace by the rules 108 Combustion chamber

Material S Thickness: Sides 1/2 Back 1/2 Top 1/2 Bottom 5/8

Working pressure by rules 80 Material of stays Iron Diameter at

Working pressure by rules 91 End plates in steam space: Material S Thickness 3/4

Material of stays S Diameter at smallest part 3-26

Working pressure by rules 90 Material of Front plates at bottom S Thickness 3/4

Material of tube plates S Thickness: Front 3/4 Back 5/8

Mean pitch of stays 12 3/8 Pitch across wide

Working pressures by rules 88 Girders to Chamber tops: Material S

Length as per rule 22 1/8 Distance apart 8 3/4

Number and pitch of Stays in each 1- 8 3/4 9 1/2

Working pressure by rules 89 Superheater on Steam chest; how connected to boiler Check

Can the superheater be shut off and the boiler worked

Material S Description of longitudinal joint d/c

Working pressure of shell by rules 192 Diameter of flue Material of flue plates Thickness

Working pressure by rules End plates: Thickness How stayed

Area of safety valves to superheater Are they fitted with easing gear

VERTICAL DONKEY BOILER—

No. Description Manufacturers of steel

By whom made When made Where fixed

tested by hydraulic pressure to No. of Certificate Fire grate area Description of safety valves

Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Working pressure of shell by rules Thickness of shell crown plates

No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Working pressure of furnace by rules Thickness of furnace crown

Diameter of uptake Thickness of uptake plates Thickness of water tubes

The foregoing is a correct description,

MAN, HUNTER, & WIGHAM RICHARDSON, LTD. Manufacturer.

Please see Machinery report.

Is the approval given of main boiler for awarded here with

donkey " " " " Lloyd's Register

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under special survey, the material & workmanship is good.

Certificate (if required) to be sent to
 The Secretary of the Society for the purpose of (Committee's Minute)
 (The Secretary of the Society will be glad to receive the same)

The amount of Entry Fee... £	:	:	When applied for,
Special £	:	:	Oct 1905
Donkey Boiler Fee ... £	2	2	When received,
Travelling Expenses (if any) £	:	:	7/10/05

John H Heck.
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. 6 OCT 1905

Assigned

*See minute
 on Feb. Report.*



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