

REPORT ON BOILERS.

No. 31631.

FRI. AUG. -9. 1912

Date of writing Report 29-6-1912 When handed in at Local Office 2-7-1912 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 31-5-12 Last Survey 28-6-1912
 Reg. Book. on the Donkey Boiler for S.S. "NESTOR". (Mackell & Piddock 234) (Mackay Bros 5/517) Gross 1420 Tons Net 862
 Master Built at Alloa By whom built Mackay Bros When built 1912
 Boiler made at Annan By whom made Cochran & Co. Annan Ltd When made 1912
 Owners Port belonging to Bremen

VERTICAL DONKEY BOILER— No. 5804 Description Cochran Pat. Manufacturers of steel D. Colville & Sons.
 Made at Annan By whom made Cochran & Co. When made 1912 Where fixed Storehold Working pressure 100
 Tested by hydraulic pressure to 200 Date of test 28.6.12 No. of Certificate 11674 Fire grate area 18.7 Description of safety valves 2 W. & S. spring
 No. of safety valves 2 Area of each 4.91 Pressure to which they are adjusted 105 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 6-0 Length 12-6 Material of shell plates S Thickness 12-15-32 Range of tensile strength 28-32 Descrip. of riveting long. seams dl Dia. of rivet holes 27-32 Whether punched or drilled d Pitch of rivets 2-68
 Lap of plating 4-8 Per centage of strength of joint Rivets 70-5 Working pressure of shell by rules 107 Thickness of shell crown plates 7-13-16
 Radius of do. 3-0 No. of Stays to do. None Dia. of stays 1-6 Diameter of furnace Top 2-6 Bottom 1-6 Length of furnace 3-5-13-16
 Thickness of furnace plates 1-2-13-16 Description of joint hemispher. & R. R. Working pressure of furnace by rules 100 Thickness of furnace crown plates 1-2 Radius of do. 2-6 Stayed by hemispher. Diameter of uptake 13 x 19-1/2 Thickness of uptake plates 7-16
 Thickness of water tubes Plate F 25-32 - B 21-32 The foregoing is a correct description,
 Harry H. Davies Manufacturer.

Dates of Survey { During progress of work in shops - 1912 May 31. June 6. 14. 21. 28.
 while building { During erection on board vessel - -
 Total No. of visits 5.

Is the approved plan of boiler forwarded herewith for 9043

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

The Material & workmanship is good.
 The boiler has been built under special survey.

Survey request form

No. 6618 attached

Boiler despatched to Sunderland 29-6-12.

The boiler has been satisfactorily fixed in the storehold of the vessel and its safety valves adjusted, as above. washers: - 5 19/32 P 7/8"

Lewis H. Davis.

6-8-12 Sunderland.

Survey Fee ... £ 2 : 2 : When applied for, Monthly A/c
 Travelling Expenses (if any) £ : : When received, 19

GLASGOW 2-JUL. 1912

John H. H. C. H. Pilditch
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 FRI. AUG. 16. 1912

Committee's Minute
 Assigned Transmit to London

Lloyd's Register Foundation
 W198-0223