

REPORT ON BOILERS.

No. 65729

Received at London Office

9 JUL 1942 22 OCT 1942

Date of writing Report 19 ¹⁹ When handed in at Local Office 6.7.42 Port of Glasgow
 No. in Survey held at Reg. Book. on the Steam light "VIC 10" Date, First Survey 13.31.42 Last Survey 18.5.42
 (Number of Visits 6) (Gross Tons) (Net Tons)
 Built at Thorn By whom built Richard Dunston Ltd. Yard No. 381 When built 1942
 Boilers made at Barfin By whom made Alex Anderson & Son Boiler No. 3686 When made 1942
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. 1 Description Cross tube Manufacturers of steel Cochran Ltd
 Made at Barfin By whom made Alex Anderson & Son When made 1942 Where fixed Thorn Working pressure 120.
 tested by hydraulic pressure to 230 Date of test 18-5-42 No. of Certificate 21060 Fire grate area 21.75 Description of safety valves South Spring
 No. of safety valves 2 Area of each 3.140 Pressure to which they are adjusted 120^{lb} If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler
 Diameter of donkey boiler 6'3" Length 14'6" Material of shell plates Steel Thickness 1/2"
 Range of tensile strength 28/32 Description of riveting long. seams DR Lap Diameter of rivet holes 13/16" Whether punched or drilled Drilled Pitch of rivets 2.547 + 2.513 Lap of plating 4" Per centage of strength of joint Rivets 66.8 Working pressure of shell by rules 120 Plates 67.9
 Thickness of shell crown plates 3/4" Radius of do. 6'2" No. of stays to do. 6 Diameter of stays 1 1/2" Diameter of furnace—Top 5' Bottom 5' 3/4" Length of furnace 6'10 3/8" Thickness of furnace side plates 5/8" Description of joint Welded Working pressure of furnace by rules 128 Thickness of Ogee ring _____ Working pressure of Ogee ring by rules _____ Thickness of furnace crown plates 5/8" Radius of do. 6'2" Stayed by 6-1 1/2" Stays Diameter of uptake 21" Thickness of uptake plates 5/8" Thickness of tube plates front _____ back _____ Mean pitch of stay tubes in nest _____ Pitch in outer vertical rows _____
 Diameter of tube holes FRONT stay _____ BACK stay _____ Working pressure of tube plates by rules _____ Tubes: Material Steel
 External diameter stay _____ Thickness stay _____ No. of threads per inch _____ Pitch of tubes _____
 Working pressure by rules 120 Manhole compensation; Size of opening in shell plate 19 1/2" - 15 1/2" Section of compensating ring 6 1/2" - 11/16" No. of rivets and diameter of rivet holes 52 - 13/16" Outer row pitch at ends 2 15/16"

The foregoing is a correct description,

ALEX ANDERSON & SON LTD. Manufacturer

Dates of Survey while building { During progress of work in shops - - } 1942 Mar: 13 Apr: 13.22.28 May 6.18 Drawing No. 1/B 241
 { During erection on board vessel - - }
 Total No. of visits 6 Is the approved plan of boiler forwarded herewith _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under Special Survey in accordance with the Society's Rules and the approved plan. The material and workmanship are good. The boiler is intended for Messrs R Dunston: N° 381.
The above boiler was fitted in Richard Dunston's N° 381 & the safety valves adjusted to 120^{lb}

Sub
4/7/42

Survey Fee £ 4 : 4 : 0 When applied for 19.....
 Travelling Expenses (if any) £ : : When received 19.....

7 JUL 1942

J.R. Dale

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 30 OCT 1942

Committee's Minute GLASGOW 7 JUL 1942

Assigned Deferred for completion

No action

The Surveyors are requested not to write on or below the space for Committee's Minute.

1770-621710-640710