

(See Leith Report N^o 20514)

REPORT ON BOILERS.

No. 64214

Received at London Office 13 AUG 1941

Date of writing Report 10 When handed in at Local Office 12: 8: 19 41 Port of Glasgow

No. in Reg. Book. Survey held at Annan Date, First Survey 22. 5: 41 Last Survey 7- 8- 19 41

on the "SIR LEONARD PEARCE" (Number of Visits 6) Tons { Gross Net

Built at Burntisland By whom built Burntisland S/B Co. Yard No. 251 When built 1941

Boilers made at Annan By whom made Lochan & Co Annan Ltd Boiler No. 15070 When made 1941

Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Lochan Manufacturers of steel Lochan Ltd

Made at Annan By whom made Lochan & Co Annan Ltd When made 1941 Where fixed Port side of stockhold. Working pressure 105

tested by hydraulic pressure 208 Date of test 7-8-41 No. of Certificate 20819 Fire grate area 16.759 Description of safety valves Spring loaded

No. of safety valves 2 Area of each Pressure to which they are adjusted 105 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler

Diameter of donkey boiler 5'-6" Length 12'-3" Material of shell plates S Thickness 7/2" 7/16"

Range of tensile strength 28-32 Description of riveting long. seams WR Lap Diameter of rivet holes 2 5/32" Whether punched or drilled

Pitch of rivets 2.69" 2.55" 2.5" Lap of plating 3 7/8" Per centage of strength of joint Rivets 66.7 Plates 68.7 Working pressure of shell by rules 117 Thickness of shell crown plates 13/32 23/32 Radius of do. 2'-9" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 4'-9" Length of furnace Thickness of furnace side plates 7/2" Description of joint Seamless Working pressure of furnace by rules 144 Thickness of Ogee ring 23/32 Working pressure of Ogee ring by rules 114 Thickness of furnace crown plates 7/2" Radius of do. 2'-4 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 3/4" back 9/32" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 1/2" BACK stay 2 1/2" Working pressure of tube plates by rules F109 B III Tubes: Material Iron

External diameter stay 2 1/2" plain 2 1/2" Thickness stay 11/32" plain 11/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating ring 7" x 1" No. of rivets and diameter of rivet holes 40 @ 25/32" Outer row pitch at ends 4"

The foregoing is a correct description, *Edgar* Manufacturer

FOR COCHRAN & CO. ANNAN LTD

Dates of Survey while building { During progress of work in shops - 1941 May: 22-29 July: 8-30 Aug: 1-7

{ During erection on board vessel - -

Total No. of visits 6

Drawing No. 25694

Is the approved plan of boiler forwarded herewith yes

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

The workmanship and materials are good.

The boiler has been constructed under special survey.

To the order of Messrs David Rowan & Co Glasgow for their engine N^o 1086

This boiler has been efficiently fitted on board, and the safety valves adjusted to 105 lbs/sq. in.

J. F. Campbell

Eob
12/8/41

To be returned to Glasgow

Survey Fee ... £ 4 : 4 : When applied for 19

Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 12 AUG 1941

Assigned TRANSMIT TO LONDON

Edgar
Engineer Surveyor to Lloyd's Register of Shipping.

See Lth 26 20514

Lloyd's Register Foundation