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# REPORT ON BOILERS.

No. 33757

THU. DEC. 24. 1914

Received at London Office

WED. MAR. 25. 1914

191 When handed in at Local Office 16. 3. 1914 Port of Glasgow

Survey held at Glasgow Date, First Survey 12. 1. 14 Last Survey 9. 3. 1914

on the Manoeuvring Air Reservoirs, in M.B. "Pangar" (Number of Visits 7) Tons } Gross }  
Net }

Built at Glasgow By whom built Barclay Curle & Co When built 1909 - 3

made at Glasgow By whom made Burmeister & Wain When made 1914

made at Glasgow By whom made Lindsay Bunell & Co 5336 (676) When made 1914

ed Horse Power Owners East Asiatic Co Port belonging to Bangkok.

## TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel James Dunlop & Co. The Steel Co of Scotland,

for record ) Total Heating Surface of Boilers — Is forced draft fitted — No. and Description of  
two cylindrical Working Pressure 294 Tested by hydraulic pressure to 588 Date of test 9/3/14

Certificate 2591 Can each boiler be worked separately Area of fire grate in each boiler — No. and Description of  
valves to each boiler Area of each valve — Pressure to which they are adjusted —

fitted with easing gear — In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler —

distance between boilers or uptakes and bunkers or woodwork — Mean dia. of boilers 5'-0" Length 12'-10"

of shell plates steel Thickness 23/32 Range of tensile strength 28-32 Are the shell plates welded or flanged 720

of riveting: cir. seams double lap long. seams triple butt Diameter of rivet holes in long. seams 13/16 Pitch of rivets 5 3/4

plates or width of butt straps 12 1/2 Per centages of strength of longitudinal joint rivets 43.2 Working pressure of shell by  
plate 85.8

297 Size of manhole in shell 16" x 12" Size of compensating ring Flanged No. and Description of Furnaces in each

Material — Outside diameter — Length of plain part top Thickness of plates crown  
bottom Working pressure of furnace by the rules — Combustion chamber

Material — Thickness: Sides — Back — Top — Bottom — Pitch of stays to ditto: Sides — Back —

If stays are fitted with nuts or riveted heads — Working pressure by rules — Material of stays — Diameter at  
part — Area supported by each stay — Working pressure by rules — End plates in steam space: Material steel Thickness 1 1/16, 1 5/16

stays None How are stays secured — Working pressure by rules — Material of stays — Diameter at smallest part —

ported by each stay — Working pressure by rules — Material of Front plates at bottom — Thickness — Material of  
back plate — Thickness — Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes —

tubes — Material of tube plates — Thickness: Front — Back — Mean pitch of stays — Pitch across wide  
aces — Working pressures by rules — Girders to Chamber tops: Material — Depth and thickness of  
t centre — Length as per rule — Distance apart — Number and pitch of Stays in each

pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked  
by Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

ed with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

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

The foregoing is a correct description,  
Lindsay Bunell & Co. Manufacturer.

During progress of work in shops: 1914. Jan'y 12. 15. 28. Feb'y 10. 18. 24. Is the approved plan of boiler forwarded herewith

During erection on board vessel: Mar 9 Total No. of visits 7.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
These Reservoirs have been built under special survey, the materials & workmanship are of good description.

Survey Fee ... £ 2 : 2 : } When applied for 16. 3. 1914

Selling Expenses (if any) £ : : } When received, 1914

A. M. McLeod  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 24 MAR. 1914

TRANSMIT TO LONDON

Lloyd's Register Foundation  
W479-0166

REPORT ON BOLLERS

Mrs Pagan

Air Reservoir

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Air Reservoir



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