

# REPORT ON BOILERS.

No. 55412  
20 FEB 1935

Date of writing Report \_\_\_\_\_ 19 \_\_\_\_\_ When handed in at Local Office 14. 2. 1935  
 Received at London Office \_\_\_\_\_  
 No. in Reg. Book. 70248. on the *Swin Lams No. 'Manoora'* Glasgow  
 Date, First Survey 5<sup>th</sup> Apr 1934 Last Survey 8<sup>th</sup> Feb 1935  
 (Number of Visits) \_\_\_\_\_ Tons } Gross 10856.  
 Net 6261.  
 Master \_\_\_\_\_ Built at Glasgow By whom built A. Stephen & Sons Ltd. When built 1935.  
 Boilers made at Aunan By whom made *Buckran & Co Aunan Ltd. No. 12881* When made 1934.  
 Owners *Adelaide Steamship Co Ltd.* Port belonging to *Melbourne*

*See Glasgow Report No. 55179*  
**VERTICAL DONKEY BOILER** — No. *One* Description *Buckran* Manufacturers of steel \_\_\_\_\_  
 Made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made *Flat at Base of Furnace* Working pressure *100 lbs*  
 tested by hydraulic pressure to \_\_\_\_\_ Date of test \_\_\_\_\_ No. of Certificate \_\_\_\_\_ Fire grate area \_\_\_\_\_ Description of safety valves \_\_\_\_\_  
 No. of safety valves \_\_\_\_\_ Area of each \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler  Diameter of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_ Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_  
 Range of tensile strength \_\_\_\_\_ Description of riveting long. seams \_\_\_\_\_ Diameter of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of rivets \_\_\_\_\_ Lap of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_ Plates \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ No. of stays to do. \_\_\_\_\_ Diameter of stays \_\_\_\_\_ Diameter of furnace—Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_ Thickness of furnace side plates \_\_\_\_\_ Description of joint \_\_\_\_\_ Working pressure of furnace by rules \_\_\_\_\_ Thickness of Ogee ring \_\_\_\_\_ Working pressure of Ogee ring by rules \_\_\_\_\_ Thickness of furnace crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ Stayed by \_\_\_\_\_ Diameter of uptake \_\_\_\_\_ Thickness of uptake plates \_\_\_\_\_ Thickness of tube plates <sup>front</sup> \_\_\_\_\_ <sub>back</sub> \_\_\_\_\_ Mean pitch of stay tubes in nest \_\_\_\_\_ Pitch in outer vertical rows \_\_\_\_\_  
 Diameter of tube holes FRONT <sup>stay</sup> \_\_\_\_\_ <sub>plain</sub> \_\_\_\_\_ BACK <sup>stay</sup> \_\_\_\_\_ <sub>plain</sub> \_\_\_\_\_ Working pressure of tube plates by rules \_\_\_\_\_ Tubes: Material \_\_\_\_\_  
 External diameter <sup>stay</sup> \_\_\_\_\_ <sub>plain</sub> \_\_\_\_\_ Thickness <sup>stay</sup> \_\_\_\_\_ <sub>plain</sub> \_\_\_\_\_ No. of threads per inch \_\_\_\_\_ Pitch of tubes \_\_\_\_\_  
 Working pressure by rules \_\_\_\_\_ Manhole compensation: Size of opening in shell plate \_\_\_\_\_ Section of compensating ring \_\_\_\_\_ No. of rivets and diameter of rivet holes \_\_\_\_\_ Outer row pitch at ends \_\_\_\_\_

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } Drawing No. \_\_\_\_\_  
 { During erection on board vessel - - }  
 Total No. of visits \_\_\_\_\_  
**SEE ACCOMPANYING MACHINERY REPORT.**  
 Is the approved plan of boiler forwarded herewith \_\_\_\_\_

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

*This boiler has been efficiently secured in position on board. It has been examined under steam when the Safety valves were adjusted at 100 lbs per sq inch and found in order.*  
*JH 14/2/35.*

Survey Fee ... £ : / : } When applied for \_\_\_\_\_ 19 \_\_\_\_\_  
 Travelling Expenses (if any) £ : / : } When received \_\_\_\_\_ 19 \_\_\_\_\_

*J. H. ...*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 19 FEB 1935**

Assigned **SEE ACCOMPANYING MACHINERY REPORT.**

