

# REPORT ON BOILERS.

No. 18528.

Received at London Office

Date of writing Report **2/3/26** When handed in at Local Office **16th April 1926** Port of **Grenock**  
 No. in Survey held at **Grenock** Date, First Survey **11th September, 1924** Last Survey **15/4/1926**  
 Reg. Book. **S/S "Margalau"** (Number of Visits **60**) Gross Tons }  
 on the **Grenock** Net Tons }  
 Master Built at **Glasgow** By whom built **Lithgow & Co. (766)** When built **1926**  
 Engines made at **Grenock** By whom made **John & Kincaid & Co. (621)** When made **1926**  
 Boilers made at **ditto** By whom made **ditto (621)** When made **1926**  
 Registered Horse Power **484** Owners **Walter Skauhrup & Co.** Port belonging to **London**

MULTITUBULAR BOILERS—MAIN, ~~MILKMAKING~~—Manufacturers of Steel **Beardmore, Lanarkshire Steel Co. & Co. Ltd. Glasgow**

(Letter for record **S**) Total Heating Surface of Boilers **7263 sq ft** Is forced draft fitted **Yes** No. and Description of Boilers **3 Single ended 3SB.** Working Pressure **180** Tested by hydraulic pressure to **220** Date of test **27/3/25**  
 No. of Certificate **1684** Can each boiler be worked separately **Yes** Area of fire grate in each boiler **Oil Fuel** No. and Description of safety valves to each boiler **Double Spring** Area of each valve **9.62 sq ft** Pressure to which they are adjusted **185**  
 Are they fitted with easing gear **Yes** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler **Yes**  
 Smallest distance between boilers or uptakes and bunkers **27"** Mean dia. of boilers **16.0"** Length **11.6"**  
 Material of shell plates **S** Thickness **17/32"** Range of tensile strength **28/32"** Are the shell plates welded or flanged **Yes**  
 Descrip. of riveting: cir. seams **DR** long. seams **TRIDBS** Diameter of rivet holes in long. seams **1 1/4"** Pitch of rivets **8 3/4"**  
 Width of butt straps **1-6 1/2"** Per centages of strength of longitudinal joint rivets **88.75%** Working pressure of shell by rules **181** Size of manhole in shell **16 1/2" x 20 1/2"** Size of compensating ring **24 1/2" x 30 1/2" x 1 1/4"** No. and Description of Furnaces in each boiler **3 Bourgeois** Material **S** Outside diameter **3.11 1/4"** Length of plain part **3.9 1/16"** Thickness of plates **3.9 1/16"**  
 Description of longitudinal joint **weld** No. of strengthening rings **5** Working pressure of furnace by the rules **185** Combustion chamber plates: Material **S** Thickness: Sides **5/8"** Back **11/64"** Top **5/8"** Bottom **3/4"** Pitch of stays to ditto: Sides **8 9/14"** Back **8 7/8" x 8 1/8"**  
 Top **8 9/14"** If stays are fitted with nuts or riveted heads **Nuts** Working pressure by rules **181** Material of stays **S** Area at smallest part **1.73 x 2.03** Area supported by each stay **74 sq in** Working pressure by rules **192** End plates in steam space: Material **S** Thickness **15/16"**  
 Pitch of stays **2 1/2"** How are stays secured **DN** Working pressure by rules **183** Material of stays **S** Area at smallest part **7.34 sq in**  
 Area supported by each stay **441 sq in** Working pressure by rules **182** Material of Front plates at bottom **S** Thickness **15/16"** Material of Lower back plate **S** Thickness **20/32"** Greatest pitch of stays **13 1/4"** Working pressure of plate by rules **183** Diameter of tubes **2 1/2"**  
 Pitch of tubes **3 3/4" x 3 3/4"** Material of tube plates **S** Thickness: Front **15/16"** Back **5/8"** Mean pitch of stays **8.37"** Pitch across wide water spaces **13"** Working pressures by rules **182** Girders to Chamber tops: Material **S** Depth and thickness of girder at centre **8 1/2" x 3 1/4" (2)** Length as per rule **31.4"** Distance apart **9 1/4"** Number and pitch of Stays in each **3 at 8"**  
 Working pressure by rules **184** Steam dome: description of joint to shell \_\_\_\_\_ % of strength of joint  
 Diameter \_\_\_\_\_ Thickness of shell plates \_\_\_\_\_ Material \_\_\_\_\_ Description of longitudinal joint \_\_\_\_\_ Diam. of rivet holes \_\_\_\_\_  
 Pitch of rivets \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_ Crown plates \_\_\_\_\_ Thickness \_\_\_\_\_ How stayed \_\_\_\_\_

SUPERHEATER. Type \_\_\_\_\_ Date of Approval of Plan \_\_\_\_\_ Tested by Hydraulic Pressure to \_\_\_\_\_  
 Date of Test \_\_\_\_\_ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler \_\_\_\_\_  
 Diameter of Safety Valve \_\_\_\_\_ Pressure to which each is adjusted \_\_\_\_\_ Is Easing Gear fitted \_\_\_\_\_

The foregoing is a correct description,  
**FOR JOHN G. KINCAID & COY., LIMITED.**  
**Robert Green** Manufacturer.

Is the approved plan of boiler forwarded herewith **Secretary** **Yes**  
 Total No. of visits **60**

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **These Boilers have been built under special survey in accordance with the approved plans. The workmanship & material are of good quality. They are now securely fitted on board. This Rept. accompanies trial of the Machinery.**

Survey Fee ... £ \_\_\_\_\_ When applied for, \_\_\_\_\_ 19 \_\_\_\_\_  
 Travelling Expenses (if any) **charged on party left** When received, \_\_\_\_\_ 19 \_\_\_\_\_  
**W. C. London** Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 20 APR 1926**  
 Assigned **See accompanying machinery report.**

