

# REPORT ON BOILERS.

No. 18877

Received at London Office

25 APR 1928

of writing Report **24. 3. 28** When handed in at Local Office **20th April 1928** Port of **Glasgow**  
To. in **Glasgow** Date, First Survey **15th February 1924** Last Survey **18th April 1928**  
g. Book. **T/S M/r. "Athelmonarch"** (Number of Visits ☒) Gross Tons ☒ Net Tons ☒  
on the **Glasgow** Built at **Glasgow** By whom built **Hamilton & Co. (400)** When built **1928**  
ster **Glasgow** By whom made **John & Macaulay & Co. (172)** When made **1928**  
gines made at **Glasgow** By whom made **ditto** (172) When made **1928**  
ilers made at **ditto** By whom made **ditto** (172) When made **1928**  
gistered Horse Power **1** Owners **United Molasses Co. Ltd.** Port belonging to **Glasgow**

ULTITUBULAR BOILERS ~~Donkey~~ **Donkey** Manufacturers of Steel **Phoenix, Harkhoff & Co. Ltd.**

etter for record **S** Total Heating Surface of Boilers **1220.95** Is forced draft fitted **Amid** No. and Description of

ilers **One Single Ended** Working Pressure **180** Tested by hydraulic pressure to **320** Date of test **24. 10. 27**

of Certificate **1791** Can each boiler be worked separately **yes** Area of fire grate in each boiler **Oil Fuel** No. and Description of

ety valves to each boiler **Double Spring** Area of each valve **4.98** Pressure to which they are adjusted **185**

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

allest distance between boilers or uptakes and bunkers or woodwork **3.6** Mean dia. of boilers **11.3** Length **10.6**

terial of shell plates **S** Thickness **15/16** Range of tensile strength **28/32** Are the shell plates welded or flanged **yes**

scrip. of riveting: cir. seams **DR** long. seams **TR. D. S.** Diameter of rivet holes in long. seams **1"** Pitch of rivets **4"**

width of butt straps **14 1/8** Per centages of strength of longitudinal joint **92.4** Working pressure of shell by

**182** Size of manhole in shell **16.20** Size of compensating ring **32 3/4** No. and Description of Furnaces in each

ler **2 Deighton** Material **S** Outside diameter **3.4 1/4** Length of plain part **top** Thickness of plates **bottom** **15/32**

scription of longitudinal joint **weld** No. of strengthening rings **yes** Working pressure of furnace by the rules **182** Combustion chamber

es: Material **S** Thickness: Sides **21/32** Back **21/32** Top **21/32** Bottom **21/32** Pitch of stays to ditto: Sides **10.8** Back **9.9 1/4**

**8.10** If stays are fitted with nuts or riveted heads **Nuts** Working pressure by rules **180** Material of stays **S** Area at

allest part **173.203** Area supported by each stay **83.25** Working pressure by rules **181** End plates in steam space: Material **S** Thickness **1 1/32**

h of stays **16.5 1/2** How are stays secured **Nuts** Working pressure by rules **181** Material of stays **S** Area at smallest part **4.54**

supported by each stay **242.2** Working pressure by rules **182** Material of Front plates at bottom **S** Thickness **1"** Material of

er back plate **S** Thickness **25/32** Greatest pitch of stays **133/4** Working pressure of plate by rules **181** Diameter of tubes **3**

h of tubes **4 1/4** Material of tube plates **S** Thickness: Front **1"** Back **23/32** Mean pitch of stays **9.48** Pitch across wide

r spaces **14** Working pressures by rules **187** Girders to Chamber tops: Material **S** Depth and thickness of

r at centre **8 1/4 + 3/4 (2)** Length as per rule **2.4.62** Distance apart **8** Number and pitch of Stays in each **2 at 10"**

king pressure by rules **183** Steam dome: description of joint to shell **% of strength of joint**

eter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

of rivets Working pressure of shell by rules Crown plates Thickness How stayed

ERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

eter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

FOR JOHN G. KINCAID & COY, LIMITED

The foregoing is a correct description,

**W. G. Cantin** DIRECTOR Manufacturer.

Is the approved plan of boiler forwarded herewith **yes**

Total No. of visits **1**

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

**This boiler has been built under special survey in accordance with the approved plan. The workmanship and material are of good quality and is now securely fitted on board.**

**See Machinery Report.**

Survey Fee **10/-** When applied for, **19**

When received, **19**

Committee's Minute **GLASGOW 24 APL 1928**

igned **See accompanying mach. report**

**W. G. Cantin** Engineer Surveyor to Lloyd's Register of Shipping.

**Lloyd's Register**

**Foundation**