

REPORT ON BOILERS.

No. 18877

Received at London Office

25 APR 1928

Writing Report **24. 3. 28** When handed in at Local Office **20th April 1928** Port of **Glasgow**
 Date, First Survey **15th February 1924** Last Survey **18th April 1928**
 (Number of Visits) Gross Tons }
 Net Tons }
 Built at **Glasgow** By whom built **Dumblow C^o L^{td} (400)** When built **1928**
 By whom made **John Kincaid C^o L^{td} (1722)** When made **1928**
 By whom made **ditto (1722)** When made **1928**
 Owners **United Molasses C^o L^{td}** Port belonging to **London**

ULTITUBULAR BOILERS ~~Donkey~~ **AUXILIARY** ~~Donkey~~ —Manufacturers of Steel **Flu Phoenix, Stahlhofnungstritte**
Nikow, Berg- & Eisenwerk

Letter for record **S** Total Heating Surface of Boilers **1220.95** Is forced draft fitted **Amifed** No. and Description of Boilers **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 Safety 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
 smallest distance between boilers or uptakes and bunkers or woodwork **3.6** Mean dia. of boilers **11.3** Length **10.6**
 Material of shell plates **S** Thickness **15/16** Range of tensile strength **28/32** Are the shell plates welded or flanged
 Description of riveting: cir. seams **DR** long. seams **TRIDBS** Diameter of rivet holes in long. seams **1"** Pitch of rivets **4"**
 width of butt straps **14 7/8** Per centages of strength of longitudinal joint rivets **92.4%** Working pressure of shell by rules **182** plate **85.41%**
 Size of manhole in shell **16x20** Size of compensating ring **32 3/4 x 28 3/4 x 1 1/2** No. and Description of Furnaces in each boiler **2 Deighton** Material **S** Outside diameter **3.4 1/4** Length of plain part **top** Thickness of plates **crown** } **15/32**
 bottom } **bottom** } **bottom** } **bottom** }
 Description of longitudinal joint **weld** No. of strengthening rings Working pressure of furnace by the rules **182** Combustion chamber
 Material **S** Thickness: Sides **2 1/32** Back **2 1/32** Top **2 1/32** Bottom **2 1/32** Pitch of stays to ditto: Sides **10x8** Back **9x9 1/4**
8x10 If stays are fitted with nuts or riveted heads **nuts** Working pressure by rules **180** Material of stays **S** Area at
 smallest part **179.203** Area supported by each stay **83.25** Working pressure by rules **181** End plates in steam space: Material **S** Thickness **1 1/32**
 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
 back plate **S** Thickness **25/32** Greatest pitch of stays **133/4** Working pressure of plate by rules **181** Diameter of tubes **3**
 of tubes **4 1/4 x 4 3/16** Material of tube plates **S** Thickness: Front **1"** Back **23/32** Mean pitch of stays **9.48** Pitch across wide
 spaces **14"** Working pressures by rules **187** Girders to Chamber tops: Material **S** Depth and thickness of
 at centre **8 1/4 x 3 1/4 (2)** Length as per rule **2.4.62** Distance apart **8** Number and pitch of Stays in each **2 at 10"**
 Working pressure by rules **183** Steam dome: description of joint to shell _____ % of strength of joint _____
 Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

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

FOR JOHN G. KINCAID & COY, LIMITED
 The foregoing is a correct description,
W. C. Cartie DIRECTOR Manufacturer.

Is the approved plan of boiler forwarded herewith **yes**
 Total No. of visits

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 material are of good quality and is now securely fitted on board. See Repl. account that after St. auxiliary (Dupl of Repl. entered 9. 18. 27) in Glasgow.**
 Survey Fee _____ When applied for, _____ 19 _____
 Expenses (if any) _____ When received, _____ 19 _____
See Machinery Report
GLASGOW 24 APL 1928
L. Gordon-Muir Engineer Surveyor to Lloyd's Register of Shipping.
 signed **See accompanying mach^y report**

