

REPORT ON BOILERS.

No. 41832

Received at London Office

Date of writing Report *H. H. 19 22* When handed in at Local Office *H. H. 19 22* Port of *Glasgow*
 No. in Survey held at *Dalmuir* Date, First Survey *18.1.1921* Last Survey *April 19 22*
 Reg. Book. *"* on the *SS. Saint Jerome* (Number of Visits) Gross *4205* Tons Net *2312*
 Master Built at *Dalmuir* By whom built *Tom Beardmore & Co. (624)* When built *1922*
 Engines made at *Dalmuir* By whom made *Tom Beardmore & Co. (624)* When made *1922*
 Boilers made at *Dalmuir* By whom made *Tom Beardmore & Co. (624)* When made *1922*
 Registered Horse Power Owners *The Association Petroliere* Port belonging to *Le Havre*

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~—Manufacturers of Steel *W. Beardmore & Co. Ltd.*

(Letter for record *(7)*) Total Heating Surface of Boilers *10134* Is forced draft fitted *yes* No. and Description of Boilers *1 Single ended* Working Pressure *180* Tested by hydraulic pressure to *320* Date of test *3/10/21*
 No. of Certificate *15953* 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 *1 pair direct spring* Area of each valve *3.98* 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 *no*
 Smallest distance between boilers or uptakes and bunkers or woodwork *well clear* Mean dia. of boilers *10'-6"* Length *10'-6"*
 Material of shell plates *Steel* Thickness *29/32* Range of tensile strength *28 to 32* Are the shell plates welded or flanged *yes*
 Descrip. of riveting: cir. seams *lap double* long. seams *butt triple* Diameter of rivet holes in long. seams *1"* Pitch of rivets *7"*
 Lap of plates or width of butt straps *15"* Per centages of strength of longitudinal joint rivets *95.5* plate *85.7* Working pressure of shell by rules *184* Size of manhole in shell *16" x 12"* Size of compensating ring *2' 6 1/2" x 2' 2 1/2"* No. and Description of Furnaces in each boiler *2 Doughton* Material *steel* Outside diameter *36 15/16"* Length of plain part *top* Thickness of plates *crown 10* bottom *32*
 Description of longitudinal joint *welded* No. of strengthening rings *yes* Working pressure of furnace by the rules *183* Combustion chamber plates: Material *Steel* Thickness: Sides *11/16"* Back *11/16"* Top *11/16"* Bottom *11/16"* Pitch of stays to ditto: Sides *9" x 9 1/4"* Back *9 1/2" x 8 3/4"*
 Top *9" x 9 1/2"* If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *198* Material of stays *iron 2 1/2"* Area at smallest part *1.73* Area supported by each stay *83* Working pressure by rules *190* End plates in steam space: Material *Steel* Thickness *1"*
 Pitch of stays *15" x 16"* How are stays secured *nuts* Working pressure by rules *187* Material of stays *Steel* Area at smallest part *4.43*
 Area supported by each stay *240* Working pressure by rules *192* Material of Front plates at bottom *Steel* Thickness *15/16"* Material of Lower back plate *Steel* Thickness *7/8"* Greatest pitch of stays *14 1/4"* Working pressure of plate by rules *200* Diameter of tubes *2 1/2"*
 Pitch of tubes *3 3/4" x 3 3/8"* Material of tube plates *Steel* Thickness: Front *15/16"* Back *3/8"* Mean pitch of stays *11 1/16"* Pitch across wide water spaces *13 1/2"* Working pressures by rules *182* Girders to Chamber tops: Material *Steel* Depth and thickness of girder at centre *7 1/8" x 3/4" double* Length as per rule *27 7/16"* Distance apart *9 5/8"* Number and pitch of Stays in each *(2) 9"*
 Working pressure by rules *182* Steam dome: description of joint to shell *none* % 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 *—*

UPERHEATER. Type *None* Date of Approval of Plan *—* Tested by Hydraulic Pressure to *—*
 Date of Test *150° F* 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 WILLIAM BEARDMORE & CO., LIMITED
 Manufacturer.

Dates of Survey } During progress of } *See attached Machinery Report.* Is the approved plan of boiler* forwarded herewith }
 while building } During erection on } } Total No. of visits }
 board vessel } } } }

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This boiler has been built under special survey the materials and workmanship are good, and satisfactorily fitted on board the above vessel.*

Survey Fee £ *See M.E. Rpt.* : } When applied for, 19.
 Travelling Expenses (if any) £ *See M.E. Rpt.* : } When received, 19.

Committee's Minute *GLASGOW 4 APR 1922*
 Assigned *See accompanying machinery report.*

A. McKean
 Engineer Surveyor to Lloyd's Register of Shipping.

