

REPORT ON BOILERS.

No. 41832

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Date of writing Report *H. H. 1922* When handed in at Local Office *4 4 1922* Port of *Glasgow*No. in Survey held at *Dalmuir*Date, First Survey *18-1-1921*Last Survey *April 1922*

Reg. Book.

on the

"S.S. Saint Jerome"

(Number of Visits)

Gross *4205*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 Petroliers* Port belonging to *Le Havre*MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~—Manufacturers of Steel *W. Beardmore & Co.*(Letter for record *(7)*) Total Heating Surface of Boilers *10134* Is forced draft fitted *yes* No. and Description ofBoilers *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 ofsafety 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 *85.71* Working pressure of shell byrules *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 eachboiler *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 chamberplates: Material *steel* Thickness: Sides *1 1/16"* Back *1 1/16"* Top *1 1/16"* Bottom *1 1/16"* 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 atsmallest 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 *1 1/16"* Material ofLower back plate *steel* Thickness *3/8"* 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 widewater spaces *13 1/2"* Working pressures by rules *182* Girders to Chamber tops: Material *steel* Depth and thickness ofgirder at centre *7 1/8" x 3/4"* 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 *—* 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 work in shops *—* See attached Machinery Report. Is the approved plan of boiler forwarded herewith *—*while building During erection on board vessel *—* Total No. of visits *—*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 E Rpt.* When applied for, *19*Travelling Expenses (if any) £ *See E Rpt.* When received, *19*

Committee's Minute

Assigned *See accompanying machinery report.*

GLASGOW

4 APR 1922

A. McKean

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation