

REPORT ON MACHINERY.

No. 108

MAY 1919

Received at London Office

REC'D NEW YORK *April 2, 1919.*
Writing Report *Dec 17 1918* When handed in at Local Office

Port of *Toronto*

Survey held at *Toronto* Date, First Survey *Oct 11, 1917* Last Survey *Mar 31 1919*

Book. on the *S.S. "Le Quevoy"* (Number of Visits)

Built at *Toronto* By whom built *Dominion Ship building Co* Tons { Gross 2741. Net 1669. When built *1919*

Machinery made at *Toronto* By whom made *The John Inglis Co Limited* when made *1918*

Machinery made at *Toronto* By whom made *The John Inglis Co Limited* when made *1918*

Indicated Horse Power *1400* Owners *Nova Scotia Transportation Co Ltd.* Port belonging to *Toronto*

Horse Power as per Section 28 *253* Is Refrigerating Machinery fitted for cargo purposes *No* Is Electric Light fitted *Yes*

ENGINES, &c.—Description of Engines *Inverted triple Expansion* No. of Cylinders *3* No. of Cranks *3*

No. of Cylinders *20* Length of Stroke *40* Revs. per minute *80* Dia. of Screw shaft *as per rule 11.7* Material of screw shaft *as fitted 12* Material of screw shaft *O.A.S.*

Screw shaft fitted with a continuous liner the whole length of the stern tube *No liners* Is the after end of the liner made water tight

propeller boss *Yes* If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part

the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If two

are fitted, is the shaft lapped or protected between the liners Length of stern bush *4'-1"*

Tunnel shaft *as per rule 10.42* Dia. of Crank shaft journals *as per rule 10.94* Dia. of Crank pin *11* Size of Crank webs *20.5 x 7.5* Dia. of thrust shaft under

11 Dia. of screw *13* Pitch of Screw *17'-6"* No. of Blades *4* State whether moveable *No* Total surface *63*

Feed pumps *2* Diameter of ditto *10 x 5* Stroke *12* Can one be overhauled while the other is at work *Yes*

Bilge pumps *1* Diameter of ditto *5* Stroke *12* Can one be overhauled while the other is at work *Yes*

Donkey Engines *4* Sizes of Pumps *7.5 x 7.5 x 6* No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room *Two 3" dia - one 3" dia - one 3" dia - one 3" dia* In Holds, &c. *Two 3" dia fore. Two 3" dia aft*

Bilge Injections *1* sizes *6* Connected to condenser or to circulating pump *Yes* Is a separate Donkey Suction fitted in Engine room & size *Yes 3"*

the bilge suction pipes fitted with roses *Yes* Are the roses in Engine room always accessible *Yes* Are the sluices on Engine room bulkheads always accessible *None*

connections with the sea direct on the skin of the ship *Yes* Are they Valves or Cocks *Valves and Cocks*

are fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates *Yes* Are the Discharge Pipes above or below the deep water line *Above*

each fitted with a Discharge Valve always accessible on the plating of the vessel *Yes* Are the Blow Off Cocks fitted with a spigot and brass covering plate *Yes*

pipes are carried through the bunkers *None* How are they protected

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*

Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges *Yes*

Screw Shaft Tunnel watertight *Yes* Is it fitted with a watertight door *Yes* worked from *Main Deck*

ENGINES, &c.—(Letter for record *253*) Manufacturers of Steel *Carnegie Steel Co.*

Heating Surface of Boilers *4534* Is Forced Draft fitted *No* No. and Description of Boilers *Two cylindrical multitubular*

Working Pressure *185* Tested by hydraulic pressure to *280* Date of test *20. 11. 18* No. of Certificate *67 and 68*

Can each boiler be worked separately *Yes* Area of fire grate in each boiler *63* No. and Description of Safety Valves to

each boiler *Two - Spring loaded* Area of each valve *7.06* Pressure to which they are adjusted Are they fitted with easing gear *Yes*

Minimum distance between boilers or uptakes and bunkers or woodwork *1'-6"* Mean dia. of boilers *14.0* Length *12.0* Material of shell plates *O.A.S.*

Range of tensile strength *28 6 32* Are the shell plates welded or flanged *No* Descrip. of riveting: cir. seams *double*

Material of rivets *treble* Diameter of rivet holes in long. seams *15/16* Pitch of rivets *9* Lap of plates or width of butt straps *19 1/4*

Stages of strength of longitudinal joint rivets *89.2* Working pressure of shell by rules *200* Size of manhole in shell *11 x 15*

Compensating ring *34 x 30* No. and Description of Furnaces in each boiler *3 Corrugated* Material *O.A.S.* Outside diameter *46*

Thickness of plates top *19* Description of longitudinal joint *welded* No. of strengthening rings

Working pressure of furnace by the rules *205* Combustion chamber plates: Material *O.A.S.* Thickness: Sides *9/16* Back *9/16* Top *9/16* Bottom *1*

Number of stays to ditto: Sides *6 1/2* Back *6* Top *9* If stays are fitted with nuts or riveted heads *then riveted* Working pressure by rules *207*

Area of stays *O.A.S.* Area at smallest part *994* Area supported by each stay *36* Working pressure by rules *220* End plates in steam space:

Area at smallest part *O.A.S.* Thickness *1* Pitch of stays *15 1/2* How are stays secured *nuts* Working pressure by rules *193* Material of stays *O.A.S.*

Area at smallest part *4.9* Area supported by each stay *27-25* Working pressure by rules *219* Material of Front plates at bottom *O.A.S.*

Material of Lower back plate *O.A.S.* Thickness *3/4* Greatest pitch of stays *13.5 x 6* Working pressure of plate by rules *257*

Material of tube plates *O.A.S.* Thickness: Front *13/16* Back *3/4* Mean pitch of stays *10.12*

Working pressures by rules *216* Girders to Chamber tops: Material *O.A.S.* Depth and

Distance apart *7.75* Number and pitch of stays in each *3 7*

Working pressure by rules *206* Steam dome: description of joint to shell *No steam dome* % of strength of joint

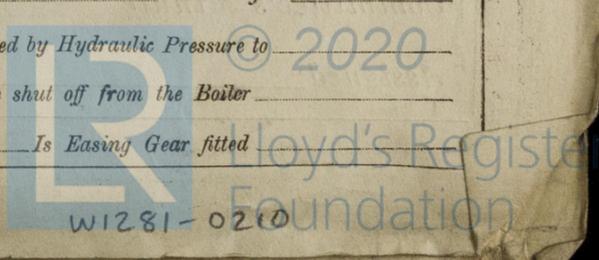
Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Working pressure of shell by rules Crown plates Thickness How stayed

REHEATER. 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



IS A DONKEY BOILER FITTED?

no

If so, is a report now forwarded?

Rpt. 13. REC'D N

SPARE GEAR. State the articles supplied:—

Two Connecting rod bottom end bolts and nuts. Two main bearing bolts and nuts
One cotter for top ends. One set coupling bolts and nuts. One set feed and bilge
pump valves. One set piston springs. assorted bolts & nuts - iron various sizes

The foregoing is a correct description,

THE JOHN INGLIS CO., LIMITED

Comptrolr Genl

Manufacturer.

SECY-TREAS.

Dates of Survey while building { During progress of work in shops -- Oct. 11. June 20. 21. July 3. 5. May 23. 27. June 4. 5. 11. 17. 20. 26. 27. 28. July 4. 8. 10. 11. 12. 18. 19. 23. Aug 26. Sep 3. 30
During erection on board vessel -- Oct. 10. 15. 17. 29. 31. Nov. 1. 5. 8. 9. 13. 14. 20. 21. 25 Dec. 4.
Dec. 23. 28. Jan. 4. 16. 29. Feb. 11. 21. Mar. 4. 10. 11. 31.
Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 13. 11. 18 Slides 21. 11. 18 Covers 1. 11. 18 Pistons 21. 11. 18 Rods 21. 11. 18

Connecting rods 1. 11. 18 Crank shaft 15. 11. 18 Thrust shaft 15. 11. 18 Tunnel shafts 15. 11. 18 Screw shaft 9. 11. 18 Propeller 9. 11. 18

Stern tube 8. 10. 18 Steam pipes tested 22. 11. 18 Engine and boiler seatings 19. 11. 18 Engines holding down bolts 11-2-19

Completion of pumping arrangements Boilers fixed 11-2-19 Engines tried under steam 11-3-19

Completion of fitting sea connections 18. 11. 18 Stern tube 13. 11. 18 Screw shaft and propeller 18. 11. 18

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft O.H.S. Identification Mark on Do. 729. 15. 11. 18 AS Material of Thrust shaft O.H.S. Identification Mark on Do. 730. 15. 11. 18 AS

Material of Tunnel shafts O.H.S. Identification Marks on Do. 731. 732. 733. 734 Material of Screw shafts O.H.S. Identification Marks on Do. 72B. 9. 11. 18 AS

Material of Steam Pipes Steel - Cast Steel flanges riveted Test pressure 555 lbs.

Is an installation fitted for burning oil fuel no Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case yes If so, state name of vessel S. Michiel. Troja. Angouleme.

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery and boilers in this vessel have been constructed under special survey. They are of good material and workmanship and are fitted and secured on board according to the rules. They are in good working condition and eligible for record + LMC

This vessel has proceeded to New York & to complete the survey it will be necessary to adjust the safety valves & try out the pumping system. The stern tube split by frost is to be renewed.

The amount of Entry Fee ... £ 10 : 00 : When applied for,
Special ... £ 163 : 25 : up to 1919
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : : 24/7/19

Alexander Scott. N. J. Alderson
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 8 - JUL. 1919

Assigned + Lm 6 5. 19.

MACHINERY CERTIFICATE WRITTEN.



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Certificate (if required) to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.

MS. Trovato.

It is ... has ...