

REPORT ON MACHINERY.

No. 18042

WED. NOV. 15 1922

Received at London Office

4. of writing Report *9th Nov. 1922* When handed in at Local Office *10/11/1922* Port of *Greenock*
 in Survey held at *Greenock* Date, First Survey *27th Sept.* Last Survey *8th Nov. 1922*
 Book. *47* on the *S.S. ATLANTICOS ex SYLVIA VICTORIA* (Number of Visits *15*)
 ter Built at *Vancouver B.C.* By whom built *J. Campbell & Sons* Tons { Gross *5700*
 nes made at *Greenock* By whom made *John G. Kirkwood & Co. Ltd.* when made *1922* Net *3333*
 rs made at *Vancouver B.C.* By whom made *Nathan Iron Works* when made *1919* When built *1919*
 lered Horse Power Owners *E. J. Calucondis & S. C. Costerman* Port belonging to *Syria*
 Horse Power as per Section 28 *536* Is Refrigerating Machinery fitted for cargo purposes *Yes* Is Electric Light fitted *Yes*

INES, &c.—Description of Engines *Triple Expansion* No. of Cylinders *3* No. of Cranks *3*
 of Cylinders *27-44-73* Length of Stroke *48* Revs. per minute *14.85* Material of screw shaft *5*
 e screw shaft fitted with a continuous liner the whole length of the stern tube *Yes* Is the after end of the liner made water tight
 e propeller boss *Yes* If the liner is in more than one length are the joints burned *Yes* If the liner does not fit tightly at the part
 en 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 *60 1/2*
 of Tunnel shaft as per rule *13.49* *13.57 for 1907* as per rule *14.17* *14.24* Dia. of Crank shaft journals as fitted *14 1/2* Dia. of Crank pin *14 1/2* Size of Crank webs *28 x 9* Dia. of thrust shaft under
 s *14 1/2* Dia. of screw *2* Pitch of Screw *18-9* No. of Blades *4* State whether moveable *Yes* Total surface *104 1/2*
 of Feed pumps *2* Diameter of ditto *4* Stroke *24* Can one be overhauled while the other is at work *Yes*
 of Bilge pumps *2* Diameter of ditto *4* Stroke *24* Can one be overhauled while the other is at work *Yes*
 of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
 Engine Room *As per Vancouver* In Holds, &c. *—*

f Bilge Injections sizes Connected to condenser, or circulating pump Is a separate Donkey Suction fitted in Engine room & size
 all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the valves on Engine room bulkheads always accessible
 all connections with the sea direct on the skin of the ship Are they Valves or Cocks *Yes*
 they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line
 they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 pipes are carried through the bunkers *Yes* How are they protected *—*
 all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*
 the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges *Yes*
 e Screw Shaft Tunnel watertight *Yes* Is it fitted with a watertight door *Yes* worked from *Top Platform E.R.*
 LERS, &c.—(Letter for record *5*) Manufacturers of Steel *—*
 l Heating Surface of Boilers *7995* Is Forced Draft fitted *Yes* No. and Description of Boilers *3, Cyl. Mult. S. End.*
 king Pressure *187 1/2* Tested by hydraulic pressure to *300 1/2* Date of test *6.2.19* No. of Certificate *19*
 each boiler be worked separately *Yes* Area of fire grate in each boiler *63 1/2* No. and Description of Safety Valves to
 boiler *2, Spring* Area of each valve *9.06* Pressure to which they are adjusted *192 1/2* Are they fitted with easing gear *Yes*
 lest distance between boilers or uptakes and bunkers or woodwork *18* Mean dia. of boilers *14-9/8* length *11-5/8* Material of shell plates *—*
 ness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 percentages of strength of longitudinal joint rivets..... Working pressure of shell by rules Size of manhole in shell
 of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter
 th of plain part top..... Thickness of plates crown..... Description of longitudinal joint No. of strengthening rings
 bottom..... bottom.....
 king pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
 of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
 erial of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
 erial Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
 at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 kness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 eter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 across wide water spaces Working pressures by rules Girders Chamber tops: Material Depth and
 ness of girder at centre Length as per rule Distance apart Number and pitch of stays in each
 king pressure by rules Steam dome: description of joint to shell % of strength of joint
 eter Thickness of shell plates Material Description of longitudinal joint Name of rivet holes
 h of rivets Working pressure of shell by rules Crown plates Thickness How stayed
 ERHEATER. Type *Forster* Date of Approval of Plan Tested by Hydraulic Pressure to
 e 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 *210 1/2* Is Easing Gear fitted *—*

W1310-0149

IS A DONKEY BOILER FITTED? *No*

If so, is a report now forwarded? *-*

SPARE GEAR. State the articles supplied: - *Two top and both + nuts, two bottom nuts, two main bearing nuts, set of coupling bolts, valves for air feed and bilge pumps, one propeller shaft!*

The foregoing is a correct description,
FOR JOHN G. KINCAID & COY., LIMITED.

Robert Green

Secretary

Manufacturer.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits *15.*
1922. Sept. 27. Oct. 3. 5. 9. 13. 16. 19. 24. 25. 27. 30. Nov. 1. 2. 3. 8.

Is the approved plan of main boiler forwarded herewith *-*

" " " donkey " " " *-*

Dates of Examination of principal parts - Cylinders - Slides - Covers - Pistons - Rods -
Connecting rods - Crank shaft - Thrust shaft *1. 5. 19* Tunnel shafts *17. 12. 19* Screw shaft *16. 10. 22* Propeller *16. 10. 22*
Stern tube *13. 10. 22* Steam pipes tested *25. 5. 10. 22* Engine and boiler seatings *24. 10. 22* Engines holding down bolts *3. 11. 22*
Completion of pumping arrangements *30. 10. 22* Boilers fixed - Engines tried under steam *8. 11. 22.*
Completion of fitting sea connections - Stern tube *16. 10. 22.* Screw shaft and propeller *19. 10. 22.*
Main boiler safety valves adjusted *14. 3. 11. 22* Thickness of adjusting washers *7/29/64 5/8. 7/13/64 5/32 7/53/64*
Material of Crank shaft - Identification Mark on Do. - Material of Thrust shaft *S.* Identification Mark on Do. *1. 5. 6-18. 12. 19 77*
Material of Tunnel shafts *S.* Identification Marks on Do. *- 5/6 HWL* Material of Screw shafts *S.* Identification Marks on Do. *5/6*
Material of Steam Pipes *L.W. Iron* Test pressure *600 lbs. v*
Is an installation fitted for burning oil fuel *Yes* 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/S. BENCLEUCH*

General Remarks (State quality of workmanship, opinions as to class, &c. *These Engines (see Case Marchant & Morley No 3418 as per Secretary's letter of 23. 2. 22. (E)) have now been fitted on board the above vessel and proved satisfactory under steam. The work is shippable, in my opinion, to have fresh record + L.W.C. NE 1922.*

GREENOCK

The amount of Entry Fee ... £ - : :
Special ... £ 30 : 0 :
Donkey Boiler Fee ... £ - : :
Travelling Expenses (if any) £ - : :
When applied for. 10/11/1922
When received. 1. 12. 22

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M. Law

Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute **GLASGOW 14 NOV 1922**

Assigned *+ NE 11, 22*

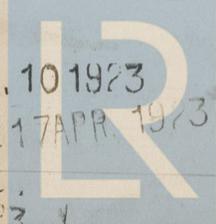
FRI. AUG. 10 1923

TUE. 17 APR. 1923

FRI 25 MAY. 1923

TUE OCT. 9 1923

FRI. 9 NOV. 1923



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