

REPORT ON MACHINERY.

No. 17274

of writing Report 29th March, 1918 When handed in at Local Office 30th March, 1918 Port of Greenock Received at London Office WED. 10 APRIL 1918

in Survey held at Port Glasgow Date, First Survey 14th Nov, 1917 Last Survey 24th Dec, 1917
 Book. on the steel screw steamer "Malancha" (Number of Vessels 2)

Built at Port Glasgow By whom built Russell & Co. Tons { Gross
 es made at Glasgow By whom made David Brown & Co. Net
 rs made at By whom made When built 1917

lered Horse Power Owners Brocklebank Ltd when made
 Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes Port belonging to

INES, &c.—Description of Engines Is Electric Light fitted

f Cylinders Length of Stroke Revs. per minute No. of Cylinders No. of Cranks
 screw shaft fitted with a continuous liner the whole length of the stern tube Dia. of Screw shaft as per rule Material of
 propeller boss If the liner is in more than one length are the joints burned Is the after end of the liner made water tight
 the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If the liner does not fit tightly at the part
 re fitted, is the shaft lapped or protected between the liners Length of stern bush If two

Tunnel shaft as per rule Dia. of Crank shaft journals as per rule Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under
 as fitted Dia. of screw Pitch of Screw No. of Blades State whether moveable Total surface
 Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
 Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
 Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
 ne Room In Holds, &c.

ge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size
 bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
 nections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
 zed 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 Main below, others above.
 ch 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
 are carried through the bunkers How are they protected

es, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 ge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
 o Shaft Tunnel watertight Is it fitted with a watertight door worked from
 S, &c.—(Letter for record) Manufacturers of Steel

ng Surface of Boilers Is Forced Draft fitted No. and Description of Boilers
 ressure Tested by hydraulic pressure to Date of test No. of Certificate
 ler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
 Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
 nce between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
 ating ring plate No. and Description of Furnaces in each boiler Material Outside diameter
 top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
 part bottom Combustion chamber plates: Material Thickness: Sides Back Top Bottom Working pressure by rules

re of furnace by the rules Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
 ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays
 Thickness Pitch of stays How are stays secured Working pressure by rules
 st part Area supported by each stay Working pressure by rules Material of Front plates at bottom

Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 ide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 er at centre Length as per rule Distance apart Number and pitch of stays in each
 e by rules 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
 ER. 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

W600-0088

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } (1917) Nov. 14. Dec. 24:-
{ During erection on board vessel - - - }
Total No. of visits 2

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 Tunnel shafts Screw shaft Propeller

Stern tube Steam pipes tested Engine and boiler seatings Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections 24/12/17 Stern tube 24/12/17 Screw shaft and propeller 24/12/17

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do.

Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel 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 If so, state name of vessel

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

This vessel proceeds to Glasgow where the machinery and boilers will be fitted.

The amount of Entry Fee ... £ : : When applied for,
Special ... £ : : 19
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : : 19

Committee's Minute GLASGOW. 9 APR 1918

Assigned See minute on Gls. Rpt. No. 37654

Graham R. Morton
Engineer Surveyor to Lloyd's Register of Shipping.



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Foundation