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REPORT ON MACHINERY.

No. 16090

Received at London Office OCTOBER 18 1911

of writing Report ____ 19__ When handed in at Local Office 14/8/ 1911. Port of Greenock.

in Survey held at Greenock. Date, First Survey 18th May 1911. Last Survey 9th June 1911
. Book. (Number of Visits 4)

on the S.S. "BARGANY." Tons { Gross 872 / Net 395.

ster Built at Greenock By whom built Greenock & Grnk. Dy & Eng. Co Ltd When built 1911

ines made at Glasgow. By whom made W. C. Lidgerwood when made 1911

lers made at do By whom made Dunsmuir & Jackson Ltd when made 1911

istered Horse Power Owners Peter & Henderson Port belonging to Glasgow.

n. Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

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GINES, &c.—Description of Engines No. of Cylinders No. of Cranks

. of Cylinders Length of Stroke Revs. per minute Dia. of Screw shaft as per rule / as fitted Material of screw shaft

he screw shaft fitted with a continuous liner the whole length of the stern tube Is the after end of the liner made water tight

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

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

rs are fitted, is the shaft lapped or protected between the liners Length of stern bush

. of Tunnel shaft as per rule / as fitted Dia. of Crank shaft journals as per rule / as fitted Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under

urs Dia. of screw Pitch of Screw No. of Blades State whether moveable Total surface

of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room In Holds, &c.

of Bilge Injections sizes Connected to condenser, or to 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 sluices on Engine room bulkheads always accessible

all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both.

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 Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes.

at pipes are carried through the bunkers How are they protected

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

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

es of examination of completion of fitting of Sea Connections 18/5/11 of Stern Tube 24/5/11 Screw shaft and Propeller 9/6/11

he Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

LERS, &c.—(Letter for record) Manufacturers of Steel

al Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers

rking Pressure Tested by hydraulic pressure to Date of test No. of Certificate

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

boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

llest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

ckness 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

centages of strength of longitudinal joint rivets / plate 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

gth of plain part top / bottom Thickness of plates crown / bottom Description of longitudinal joint No. of strengthening rings

rking pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

h of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules

erial of stays Diameter 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

meter 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

neter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

h across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

ness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

rking pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

rately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

iffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

rking pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

VERTICAL DONKEY BOILER— Manufacturers of Steel

No. Description

Made at By whom made When made Where fixed

Working pressure tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of Safety Valves No. of Safety Valves Area of each Pressure to which they are adjusted Date of adjustment

If fitted with easing gear If steam from main boilers can enter the donkey boiler Dia. of donkey boiler Length

Material of shell plates Thickness Range of tensile strength Descrip. of riveting long. seams

Dia. of rivet holes Whether punched or drilled Pitch of rivets Lap of plating Per centage of strength of joint Rivets Plates

Working pressure of shell by rules Thickness of shell crown plates Radius of do. No. of stays to do. Dia. of stays

Diameter of furnace Top Bottom Length of furnace Thickness of furnace plates Description of joint

Working pressure of furnace by rules Thickness of furnace crown plates Radius of do. Stayed by

Diameter of uptake Thickness of uptake plates Thickness of water tubes Dates of survey

SPARE GEAR. State the articles supplied :—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building — During progress of work in shops: 1911. May 18. 24. June 2. 9.

During erection on board vessel:

Total No. of visits 4.

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

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

General Remarks (State quality of workmanship, opinions as to class, &c. The propeller, stern bush, and fastenings of sea connections, examined before launching & found in order.

Certificate (if required) to be sent to

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

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

Committee's Minute TUE. SEP 26. 1911

Assigned

Harbottle.

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.