

REPORT ON MACHINERY.

No. 72189

20 NOV 1919

Received at London Office
NEWCASTLE-ON-TYNE

Date of writing Report 19 When handed in at Local Office

Port of

No. in Survey held at Forth Shields
Reg. Book. on the

Date, First Survey 20th Mar 1918 Last Survey 19
(Number of Visits)

Master Built at Alloa By whom built Forth Shipbuilding Co Ltd When built

Engines made at South Shields By whom made G. T. Grey & Co Ad. (592. Engine) when made 1919

made at Stockton By whom made when made

and Horse Power Owners Port belonging to

as Power as per Section 28 64 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

E/S, &c.—Description of Engines Compound Inverted No. of Cylinders two No. of Cranks two

Cylinders 14" - 34" Length of Stroke 24" Revs. per minute Dia. of Screw shaft 7.55 as per rule 7.6 Material of Steel screw shaft

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

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

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

is the shaft lapped or protected between the liners Length of stern bush 2' - 8"

as per rule 6.8" Dia. of Crank shaft journals 7.14 as per rule 7.35 Dia. of Crank pin 7 1/2" Size of Crank webs Bull Dia. of thrust shaft under

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

2 Diameter of ditto 2 1/4" Stroke 13" Can one be overhauled while the other is at work Yes

2 Diameter of ditto 2 3/8" Stroke 13" Can one be overhauled while the other is at work Yes

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

In Holds, &c.

ms 1 sizes 2 3/4" Connected to condenser, or to circulating pump CA Is a separate Donkey Suction fitted in Engine room & size

tion pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible

with the sea direct on the skin of the ship Are they Valves or Cocks

iently 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

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

urried through the bunkers How are they protected

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

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

ft Tunnel watertight Is it fitted with a watertight door worked from

C.—(Letter for record) Manufacturers of Steel

surface of Boilers Is Forced Draft fitted No. and Description of Boilers

ure Tested by hydraulic pressure to Date of test No. of Certificate

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

etween 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

ength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell

ing ring No. and Description of Furnaces in each boiler Material Outside diameter

part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

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

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

Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

t 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

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

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

Working pressure by rules Steam dome: description of joint to shell % 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 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

W1109-0292



