

REPORT ON MACHINERY.

No. 38283a
Hul 30894

Received at London Office

WED. 26 MAR. 1919

Writing Report

19

When handed in at Local Office

17.1 10 19 Port of Glasgow

Survey held at Goatbridge.

Date, First Survey 11-4-17

Last Survey 21-10-1918.

on the

Machinery for Strath Trawler. "Thomas Haggerty."

(Number of Visits 40.

Gross 202

Net 199

When built 1919

Built at Hook, near Goole By whom built Ouse Shipbuilding Co. Ltd.

made at Goatbridge

By whom made Beardmore & Co. Ltd. No. 494.

when made 1918.

made at Lincoln

By whom made Ruston, Procter & Co. Ltd. (A. 24)

when made 1918

ed Horse Power

Owners British Admiralty

Port belonging to

orse Power as per Section 28 75.

Is Refrigerating Machinery fitted for cargo purposes no

Is Electric Light fitted no

CES, &c.—Description of Engines

Triple Expansion

No. of Cylinders 3

No. of Cranks 3

Cylinders 12" 20" 34"

Length of Stroke 23"

Revs. per minute

Dia. of Screw shaft

as per rule 6.99

Material of 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

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

e fitted, is the shaft lapped or protected between the liners ✓

Length of stern bush 2-6"

unnel shaft as per rule 6.18

Dia. of Crank shaft journals

as per rule 6.42

Dia. of Crank pin 6.75"

Size of Crank webs 12 1/4" x 4 3/4"

6.75 Dia. of screw

Pitch of Screw

No. of Blades 4

State whether moveable no Total surface

eed pumps 1

Diameter of ditto 2 7/8"

Stroke 12"

Can one be overhauled while the other is at work ✓

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Key Engines one ejecta

Sizes of Pumps 5 1/4" x 3 1/2" x 5"

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

Room two 2", one for a one aqt.

In Holds, &c. One 2" to slush well.

Injections 1 sizes 3"

Connected to condenser, or to circulating pump pump

Is a separate Donkey Suction fitted in Engine room & size 2" ejecta

lge 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

ections with the sea direct on the skin of the ship yes

Are they Valves or Cocks both

d 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

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 forward suction

How are they protected wood casings.

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

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

Shaft Tunnel watertight ✓

Is it fitted with a watertight door ✓

worked from ✓

, &c.—(Letter for record

Manufacturers of Steel

ng Surface of Boilers

Is Forced Draft fitted no

No. and Description of Boilers 1 single ended.

ressure 180 lb.

Tested by hydraulic pressure to 360 lb.

Date of test 22-8-18

No. of Certificate 161

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 180 lb.

Are they fitted with easing gear yes

nce between boilers or uptakes and bunkers or woodwork alt. 7"

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

of strength of longitudinal joint

rivets.

Working pressure of shell by rules

Size of manhole in shell

nsating ring

No. and Description of Furnaces in each boiler

Material

Outside diameter

in part top

Thickness of plates

Description of longitudinal joint

No. of strengthening rings

sure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

lays

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

llest 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

ubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and

rder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

sure 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

EATER. 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

ler of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

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