

# REPORT ON MACHINERY.

No. 4778

Received at London Office

Writing Report

19

When handed in at Local Office

26-1-

1921

Port of

MANCHESTER

Survey held at

MANCHESTER

Date, First Survey

16-12-20

Last Survey

21-1-

1921

Book.

on the REPLACE PRIMARY SETS for D.R. GEAR of 2/3 "NASHLIGHT"

(Number of Visits

3)

Tons

Gross

Net

Built at

CHEPSTOW

By whom built

E. FINCH & CO

When built

made at

MANCHESTER

By whom made

BRITISH WESTINGHOUSE & T.M.C. L<sup>d</sup>

when made

1919.

made at

HUDDERSFIELD

By whom made

DAVID BROWN & SONS.

when made

1919.

Horse Power

Owners

Port belonging to

se Power at Full Power 1000

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

E ENGINES, &c.—Description of Engines

RATEAU STEAM TURBINES

No. of Turbines 2

Rotor Shaft Journals, H.P.

L.P.

Diameter of PRIMARY

Pinion Shaft 3 3/4"

Journals

3 3/4"

Distance between Centres of Bearings

22"

Diameter of Pitch Circle

5.946"

Wheel Shaft

6 3/4"

Distance between Centres of Bearings

48"

Diameter of Pitch Circle of Wheel

56.392"

ce 10 3/4"

Diameter of Thrust Shaft under Collars

Diameter of Tunnel Shaft

as per rule

as fitted

Shafts

Diameter of same

as per rule

as fitted

Diameter of Propeller

Pitch of Propeller

State whether Moveable

Total Surface

Diameter of Rotor Drum, H.P.

L.P.

astern

Bottom of Groove, H.P.

L.P.

Astern

Revs. per Minute at Full Power, Turbine

Propeller

ULARS OF BLADING.

H. P.

L. P.

ASTERN.

| HEIGHT OF BLADES. | DIAMETER AT TIP. | NO. OF ROWS. | HEIGHT OF BLADES. | DIAMETER AT TIP. | NO. OF ROWS. | HEIGHT OF BLADES. | DIAMETER AT TIP. | NO. OF ROWS. |
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of Feed pumps

of Bilge pumps

of Bilge suction in Engine Room

In Holds, &c.

Injections

sizes

Connected to condenser, or to circulating pump

Is a separate Donkey Suction fitted in Engine Room & size

ilge suction pipes fitted with roses

Are the roses in Engine room always accessible

ections with the sea direct on the skin of the ship

Are they Valves or Cocks

ed 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

h 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

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

ating Surface of Boilers

Is Forced Draft fitted

No. and Description of Boilers

Pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

iler 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

stance 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

rivets

s of strength of longitudinal joint

Working pressure of shell by rules

Size of manhole in shell

ating ring

No. and Description of Furnaces in each Boiler

Material

Outside diameter

top

crown

lat part

Thickness of plates

Description of longitudinal joint

No. of strengthening rings

bottom

bottom

essure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

ys to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

y stays

Diameter 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

at smallest 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

of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

oss wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and

ess of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

ng pressure by rules

Steam dome: description of joint to shell

% of strength of joint

Diameter

ess of shell plates

Material

Description of longitudinal joint

Diameter of rivet holes

Pitch of rivets

ng pressure of shell by rules

Crown plates: Thickness

How stayed

Roll  
28/1/21

W498-8801X

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Foundation



