

REPORT ON MACHINERY.

No. 17847

4a.

Received at London Office  
Port of New York, N.Y.  
Date, First Survey  
Last Survey  
Number of Visits  
Gross Tons  
Net Tons  
When built  
When made  
When made  
Port belonging to  
Is Refrigerating Machinery fitted for cargo purposes  
Is Electric Light fitted

RBINE ENGINES, &c.—Description of Engines  
Geared Turbine  
Turbine  
No. of Turbines  
Diameter of Rotor Shaft  
H.P.  
L.P.  
Diameter of Pinion Shaft  
Diameter of Journals  
Distance between Centres of Bearings  
Diameter of Pitch Circle  
Diameter of Pitch Circle of Wheel  
Diameter of Wheel Shaft  
Distance between Centres of Bearings  
Diameter of Pitch Circle of Wheel  
Diameter of Tunnel Shaft  
Pitch of Propeller  
Diameter of Rotor Drum, H.P.  
L.P.  
astern  
Revs. per Minute at Full Power, Turbine  
Propeller

TICULARS OF BLADING.

|           | Active            |                  |              | 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. |
| EXPANSION | 75"-1.25"         | 2.11 1/2"        | 2            |                   |                  |              | 81.25"-1.5"       | 3'-3"            | 2            |
| "         | 62.5"             | 3' 9"            | 1            |                   |                  |              | 3.375"            | 3'-3"            | 1            |
| "         | 1.25"             | 3'-10 1/2"       | 1            |                   |                  |              |                   |                  |              |
| "         | 3.5"              | 4'-0"            | 1            |                   |                  |              |                   |                  |              |
| "         | 6.0"              | 4'-2"            | 1            |                   |                  |              |                   |                  |              |
| "         |                   |                  |              |                   |                  |              |                   |                  |              |
| "         |                   |                  |              |                   |                  |              |                   |                  |              |
| "         |                   |                  |              |                   |                  |              |                   |                  |              |
| "         |                   |                  |              |                   |                  |              |                   |                  |              |

and size of Feed pumps  
and size of Bilge pumps  
and size of Bilge suction in Engine Room  
In Holds, &c.  
of Bilge Injections  
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  
all connections with the sea direct on the skin of the ship  
Are they Valves or Cocks  
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  
Are the Blow Off Cocks fitted with a spigot and brass covering plate  
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  
the Screw Shaft Tunnel watertight  
Is it fitted with a watertight door  
worked from

LLERS, &c.—(Letter for record)  
Manufacturers of Steel  
No. and Description of Boilers  
No. of Certificate  
No. and Description of Safety Valves to  
Are they fitted with easing gear  
Material of shell plates  
Descrip. of riveting: cir. seams  
Lap of plates or width of butt straps  
Size of manhole in shell  
No. and Description of Furnaces in each Boiler  
Material  
Outside diameter  
No. of strengthening rings  
Description of longitudinal joint  
Working pressure by rules  
End plates in steam space  
Material of stays  
Working pressure by rules  
Material of Front plates at bottom  
Working pressure of plate by rules  
Material of Lower back plate  
Thickness  
Greatest pitch of stays  
Working pressure of plate by rules  
Material of tube plates  
Thickness: Front  
Back  
Mean pitch of stays  
Girders to Chamber tops: Material  
Depth and  
Distance apart  
Number and pitch of stays in each  
Diameter  
Pitch of rivets  
Description of longitudinal joint  
Diameter of rivet holes  
How stayed  
Crown plates: Thickness  
Steam dome: description of joint to shell  
% of strength of joint

006387-006400-0087



SUPERHEATER. 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

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

General Electric Company Manufacturer.  
per.

Dates of Survey while building  
During progress of work in shops --  
During erection on board vessel --  
Total No. of visits

4-10-19 : 11-10-19 : 24-10-19 : 28-10-19 : 3-11-19 : 5-11-19 : 6-11-19

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Casings

11-10-19

Rotors

3-11-19

Blading

donkey

"

"

24-10-19 Gearing 5-11-19

Rotor shaft 24-10-19 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 and tensile strength of Rotor shaft Steel: 80000 lbs per sq " min

Identification Mark on Do. N.S.

Material and tensile strength of Pinion shaft " 85000 " " " "

Identification Mark on Do. N.S.

Material of Wheel shaft Steel Identification Mark on Do. N.S.

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 a duplicate of a previous case

If so, state name of vessel

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

These engines have been constructed under special survey in accordance with the approved plans

The Materials and workmanship are sound & good. The Engines have been forwarded to the Skinner & Eddy Shipbuilding Corp., Seattle, Wash. to be fitted on board

The amount of Entry Fee ... £

Special ... £

Donkey Boiler Fee ... £

Travelling Expenses (if any) £

When applied for,

19

When received,

19

Committee's Minute

FRI. MAY. 20 1921

Assigned

(Signed) Wm. Stewart

Engineer Surveyor to Lloyd's Register of Shipping.



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