

REPORT ON MACHINERY.

No. 6106

Port of

Received at London Office

TUES. 22 MAY 1906

No. in Survey held at

Date, first Survey

1905

Last Survey

Reg. Book.

(Number of Visits

89)

on the

Master

Built at

By whom built

Tons
Gross
Net

When built

Engines made at

By whom made

when made

Boilers made at

By whom made

when made

Registered Horse Power

Owners

Port belonging to

Nom. Horse Power as per Section 28

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

ENGINES, &c.—Description of Engine

Single Screw Quadruple Expansion

4

No. of Cranks 4

Dia. of Cylinders

26½-39½-56-78½

Length of Stroke

54

Revs. per minute

11

Dia. of Screw shaft

as per rule 15.83

Material of

S. Steel

Is the 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

in the propeller boss

Yes

If the liner is in more than one length are the joints burned

Yes

If the liner does not fit tightly at the part

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

✓

If two

liners are fitted, is the shaft lapped or protected between the liners

✓

Length of stern bush

64

Dia. of Tunnel shaft

as per rule 14.57

as fitted 15.1

Dia. of Crank shaft journals

as per rule 15.29

as fitted 15.25

Dia. of Crank pin

16

Size of Crank webs

2½ x 11½

Dia. of thrust shaft under

collars

15½

Dia. of screw

8-6

Pitch of Screw

20-0

No. of Blades

4

State whether moveable

Yes

Total surface

95½ sq. ft.

No. of Feed pumps

1

Diameter of ditto

5½

Stroke

30

Can one be overhauled while the other is at work

✓

No. of Bilge pumps

2

Diameter of ditto

5

Stroke

30

Can one be overhauled while the other is at work

Yes

No. of Donkey Engines

2

Diameter of ditto

5

Stroke

30

Can one be overhauled while the other is at work

Yes

In Engine Room

5-3½

3-2½

In Holds, &c.

9-3½

5-2½

No. of Bilge Injections

1

sizes

9½

Connected to condenser, or to circulating pump

Pump

Is a separate Donkey Suction fitted in Engine room & size

Yes-4

Are all the bilge 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

Are all connections with the sea direct on the skin of the ship

Yes

Are they Valves or Cocks

Both

Are they fixed 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

Both

Are 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

What pipes are carried through the bunkers

None

How are they protected

✓

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

Yes

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

Yes

Dates of examination of completion of fitting of Sea Connections

9-4-06

of Stern Tube

9-4-06

Screw shaft and Propeller

9-4-06

Is the Screw Shaft Tunnel watertight

Stated

whether it fitted with a watertight door

Yes

worked from

E. Room

Top platform

✓

BOILERS, &c.—(Letter for record

3)

Manufacturers of Steel

D. Colville & Sons

Total Heating Surface of Boilers

4212

Is Forced Draft fitted

No

No. and Description of Boilers

2

Rauhe End

Cylind

✓

Working Pressure

215 lbs

Tested by hydraulic pressure to

430 lbs

Date of test

3-1-06

No. of Certificate

369

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

3. End

No. and Description of Safety Valves to

each boiler

3-1-06

Area of each valve

9.62 sq

Pressure to which they are adjusted

215 lbs

Smallest distance between boilers or uptakes and bunkers or woodwork

About 40

Mean dia. of boilers

14-5½

Length

18-9

Material of shell plates

Steel

Thick

Range of tensile strength

29-32 tons

Are the shell plates welded or flanged

No

long. seams

Butt

Diameter of rivet holes in long. seams

1½

Pitch of rivets

10

Lap of plates or width of butt straps

22½

Descrip. of riveting: cir. seam

L. Dr. Machine

Per centages of strength of longitudinal joint

rivets 93.2

plate 84.3

Size of compensating ring

M. K. Nels

No. and Description of Furnaces in each boiler

6

Rauhe End

Material

Steel

Outside diameter

46½

Length of plain part

top 4

Thickness of plates

crown 3½

bottom 3½

Working pressure of furnace by the rules

244 lbs

Combustion chamber plates: Material

Steel

Thickness: Sides

9

Back

Top

Bottom

Pitch of stays to ditto: Sides

7½ x 7

Back

Top

7½ x 7

Material of stay

Steel

Diameter at smallest part

1½ x 1½

Area supported by

each stay

54½ sq

Working pressure by rules

280 lbs

End plates in steam space:

Material

Steel

Thick

Diameter at smallest part

2½ x 2½

Area supported by

each stay

232 sq

Working pressure by rules

240 lbs

Material of Front plates at bottom

Steel

Thick

Material of Lower back plate

✓

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

2½

Pitch of tubes

4 x 4

Material of tube plate

Steel

Thickness: Front

15 x 8

Back

Mean pitch of stays

8 x 8

Pitch across wide water spaces

14

thickness of girder at centre

9 x (8 x 2)

Length as per rule

49½

Distance apart

7½

Number and pitch of stays in each

6-7½

Working pressure by rules

298 lbs

Superheater or Steam chest; how connected to boiler

Can the superheater be shut off and the boiler worked

separately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

holes

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

If stiffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

✓

Lloyd's Register

Foundation

849-0091

Rpt.

FLAT I
If Bar
GARBO

See other sheet.

Heere

DOUBLE

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