

REPORT ON MACHINERY.

No. 35753

Date of writing Report

2-7-15

May 22nd 1915

No. in Survey held at

Coatbridge

Reg. Book.

S/S "EVESHAM"

Hull on the

Received at London Office

WED. MAY 26. 1915

Date, First Survey

27/8/14.

Last Survey

May 17th 1915

(Number of Vistas 40)

22-6-15

Master

Built at

Hull

By whom built

Cochran & Son

N° 626

Tons

Gross 239

Net 96

When built

1915

Engines made at

Coatbridge

By whom made

W. Beudmore & Co L^d

N° 428

when made

1915

Boilers made at

Middlesbro

By whom made

Richardson Hestgarth & Co L^d

when made

1915

Registered Horse Power

Owners

Gt. Northern S.S.F. Co. Ltd.

Port belonging to

Hull

om. Horse Power as per Section 28

51

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

NGINES, &c.—Description of Engines

Marine Type Triple Expansion

No. of Cylinders

3

No. of Cranks

3

Dia. of Cylinders

10", 17" & 28"

Length of Stroke

24"

Revs. per minute

Dia. of Screw shaft

as per rule 7.29

Material of

Iron

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

Yes

If two

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

6.05

Length of stern bush

2' 8"

Dia. of Tunnel shaft

as per rule 5.75

Dia. of Crank shaft journals

as per rule 6.03

Dia. of Crank pin

6.5"

Size of Crank webs

12 1/2 x 4 1/2"

Dia. of thrust shaft under

collars

6 3/4"

Dia. of screw

10-3"

Pitch of Screw

8'-0"

No. of Blades

4

State whether moveable

No

Total surface

32 sq ft

No. of Feed pumps

1

Diameter of ditto

2 1/2"

Stroke

12"

Can one be overhauled while the other is at work

No. of Bilge pumps

1

Diameter of ditto

2 1/2"

Stroke

12"

Can one be overhauled while the other is at work

No. of Donkey Engines

1

Sizes of Pumps

6 x 3 x 6"

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

In Engine Room

2-2"

In Holds, &c. one 2 1/2" to main hold

No. of Bilge Injections

1

sizes

3"

Connected to condenser, or to circulating pump

Yes

Is a separate Donkey Suction fitted in Engine room & size

Yes - 2"

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

Above

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

Main hold suction through deep tank,

which is also intended

How are they protected

Wood casing

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

16-4-15

of Stern Tube

16-4-15

Screw shaft and Propeller

16-4-15

Is the Screw Shaft Tunnel watertight

Yes

Is it fitted with a watertight door

Yes

worked from

Yes

OILERS, &c.—(Letter for record

S)

Manufacturers of Steel Messrs Krupp & J. Spencer & Sons Ltd.

Total Heating Surface of Boilers

872

Is Forced Draft fitted

No

No. and Description of Boilers

One S.E. Cyl. Multi

Working Pressure

200 lb

Tested by hydraulic pressure to

400 lb

Date of test

13-11-14

No. of Certificate

5417

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

25 sq ft

No. and Description of Safety Valves to

each boiler

2 spring loaded

Area of each valve

3.98 sq in

Pressure to which they are adjusted

200 lb

Are they fitted with easing gear

Yes

Smallest distance between boilers or uptakes and bunkers or woodwork

alt 9"

Mean dia. of boilers

11-0"

Length

9-6"

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets

plate

Working pressure of shell by rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each boiler

Material

Outside diameter

Length of plain part

Thickness of plates

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space

Material

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Diameter at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of Lower back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and

thickness of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

Working pressure by rules

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

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

No. of Bilge Injections

1

sizes

3"

Connected to condenser, or to circulating pump

Yes

Is a separate Donkey Suction fitted in Engine room & size

Yes - 2"

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

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How are they protected

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16-4-15

of Stern Tube

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Screw shaft and Propeller

16-4-15

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Is it fitted with a watertight door

Yes

worked from

Yes

OILERS, &c.—(Letter for record

S)

Manufacturers of Steel Messrs Krupp & J. Spencer & Sons Ltd.

Total Heating Surface of Boilers

872

Is Forced Draft fitted

No

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:— 2 Top end Bolts & Nuts, 2 Bottom end Bolts & Nuts, 2 Main Bearing Bolts & Nuts, 1 Set of Coupling Bolts, 1 Set of Feed & Belge Pump Valves, Assorted Bolts & Nuts, Lots of various sizes

The foregoing is a correct description,

for WILLIAM BEARDMORE & CO., LIMITED. Manufacturer.

W. S. Wilson.

Dates of Survey while building { During progress of work in shops - 1914 Aug 27, Sept 3, 5, 14, 17, 21 Oct 6, Nov 24 Dec 9, 14, 17, 22, 24, 29 1915 Jan 6, 11, 20, 22, 27
During erection on board vessel - 24-11-14, 17-12-14, 24-12-14, 31-12-14, 7-1-15, 14-1-15, 21-1-15, 28-1-15, 4-2-15, 11-2-15, 18-2-15, 25-2-15, 4-3-15, 11-3-15, 18-3-15, 25-3-15, 1-4-15, 8-4-15, 15-4-15, 22-4-15, 29-4-15, 6-5-15, 13-5-15, 20-5-15, 27-5-15, 3-6-15, 10-6-15, 17-6-15, 24-6-15, 1-7-15, 8-7-15, 15-7-15, 22-7-15, 29-7-15, 5-8-15, 12-8-15, 19-8-15, 26-8-15, 2-9-15, 9-9-15, 16-9-15, 23-9-15, 30-9-15, 7-10-15, 14-10-15, 21-10-15, 28-10-15, 4-11-15, 11-11-15, 18-11-15, 25-11-15, 2-12-15, 9-12-15, 16-12-15, 23-12-15, 30-12-15, 6-1-16, 13-1-16, 20-1-16, 27-1-16, 3-2-16, 10-2-16, 17-2-16, 24-2-16, 3-3-16, 10-3-16, 17-3-16, 24-3-16, 31-3-16, 7-4-16, 14-4-16, 21-4-16, 28-4-16, 5-5-16, 12-5-16, 19-5-16, 26-5-16, 2-6-16, 9-6-16, 16-6-16, 23-6-16, 30-6-16, 7-7-16, 14-7-16, 21-7-16, 28-7-16, 4-8-16, 11-8-16, 18-8-16, 25-8-16, 1-9-16, 8-9-16, 15-9-16, 22-9-16, 29-9-16, 6-10-16, 13-10-16, 20-10-16, 27-10-16, 3-11-16, 10-11-16, 17-11-16, 24-11-16, 1-12-16, 8-12-16, 15-12-16, 22-12-16, 29-12-16, 5-1-17, 12-1-17, 19-1-17, 26-1-17, 2-2-17, 9-2-17, 16-2-17, 23-2-17, 1-3-17, 8-3-17, 15-3-17, 22-3-17, 29-3-17, 5-4-17, 12-4-17, 19-4-17, 26-4-17, 3-5-17, 10-5-17, 17-5-17, 24-5-17, 31-5-17, 7-6-17, 14-6-17, 21-6-17, 28-6-17, 5-7-17, 12-7-17, 19-7-17, 26-7-17, 2-8-17, 9-8-17, 16-8-17, 23-8-17, 30-8-17, 6-9-17, 13-9-17, 20-9-17, 27-9-17, 4-10-17, 11-10-17, 18-10-17, 25-10-17, 1-11-17, 8-11-17, 15-11-17, 22-11-17, 29-11-17, 6-12-17, 13-12-17, 20-12-17, 27-12-17, 3-1-18, 10-1-18, 17-1-18, 24-1-18, 31-1-18, 7-2-18, 14-2-18, 21-2-18, 28-2-18, 5-3-18, 12-3-18, 19-3-18, 26-3-18, 2-4-18, 9-4-18, 16-4-18, 23-4-18, 30-4-18, 7-5-18, 14-5-18, 21-5-18, 28-5-18, 4-6-18, 11-6-18, 18-6-18, 25-6-18, 2-7-18, 9-7-18, 16-7-18, 23-7-18, 30-7-18, 6-8-18, 13-8-18, 20-8-18, 27-8-18, 3-9-18, 10-9-18, 17-9-18, 24-9-18, 1-10-18, 8-10-18, 15-10-18, 22-10-18, 29-10-18, 5-11-18, 12-11-18, 19-11-18, 26-11-18, 3-12-18, 10-12-18, 17-12-18, 24-12-18, 31-12-18, 7-1-19, 14-1-19, 21-1-19, 28-1-19, 4-2-19, 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7-4-21, 14-4-21, 21-4-21, 28-4-21, 5-5-21, 12-5-21, 19-5-21, 26-5-21, 2-6-21, 9-6-21, 16-6-21, 23-6-21, 30-6-21, 7-7-21, 14-7-21, 21-7-21, 28-7-21, 4-8-21, 11-8-21, 18-8-21, 25-8-21, 1-9-21, 8-9-21, 15-9-21, 22-9-21, 29-9-21, 6-10-21, 13-10-21, 20-10-21, 27-10-21, 3-11-21, 10-11-21, 17-11-21, 24-11-21, 1-12-21, 8-12-21, 15-12-21, 22-12-21, 29-12-21, 5-1-22, 12-1-22, 19-1-22, 26-1-22, 2-2-22, 9-2-22, 16-2-22, 23-2-22, 3-3-22, 10-3-22, 17-3-22, 24-3-22, 31-3-22, 7-4-22, 14-4-22, 21-4-22, 28-4-22, 5-5-22, 12-5-22, 19-5-22, 26-5-22, 2-6-22, 9-6-22, 16-6-22, 23-6-22, 30-6-22, 7-7-22, 14-7-22, 21-7-22, 28-7-22, 4-8-22, 11-8-22, 18-8-22, 25-8-22, 1-9-22, 8-9-22, 15-9-22, 22-9-22, 29-9-22, 6-10-22, 13-10-22, 20-10-22, 27-10-22, 3-11-22, 10-11-22, 17-11-22, 24-11-22, 1-12-22, 8-12-22, 15-12-22, 22-12-22, 29-12-22, 5-1-23, 12-1-23, 19-1-23, 26-1-23, 2-2-23, 9-2-23, 16-2-23, 23-2-23, 3-3-23, 10-3-23, 17-3-23, 24-3-23, 31-3-23, 7-4-23, 14-4-23, 21-4-23, 28-4-23, 5-5-23, 12-5-23, 19-5-23, 26-5-23, 2-6-23, 9-6-23, 16-6-23, 23-6-23, 30-6-23, 7-7-23, 14-7-23, 21-7-23, 28-7-23, 4-8-23, 11-8-23, 18-8-23, 25-8-23, 1-9-23, 8-9-23, 15-9-23, 22-9-23, 29-9-23, 6-10-23, 13-10-23, 20-10-23, 27-10-23, 3-11-23, 10-11-23, 17-11-23, 24-11-23, 1-12-23, 8-12-23, 15-12-23, 22-12-23, 29-12-23, 5-1-24, 12-1-24, 19-1-24, 26-1-24, 2-2-24, 9-2-24, 16-2-24, 23-2-24, 3-3-24, 10-3-24, 17-3-24, 24-3-24, 31-3-24, 7-4-24, 14-4-24, 21-4-24, 28-4-24, 5-5-24, 12-5-24, 19-5-24, 26-5-24, 2-6-24, 9-6-24, 16-6-24, 23-6-24, 30-6-24, 7-7-24, 14-7-24, 21-7-24, 28-7-24, 4-8-24, 11-8-24, 18-8-24, 25-8-24, 1-9-24, 8-9-24, 15-9-24, 22-9-24, 29-9-24, 6-10-24, 13-10-24, 20-10-24, 27-10-24, 3-11-24, 10-11-24, 17-11-24, 24-11-24, 1-12-24, 8-12-24, 15-12-24, 22-12-24, 29-12-24, 5-1-25, 12-1-25, 19-1-25, 26-1-25, 2-2-25, 9-2-25, 16-2-25, 23-2-25, 3-3-25, 10-3-25, 17-3-25, 24-3-25, 31-3-25, 7-4-25, 14-4-25, 21-4-25, 28-4-25, 5-5-25, 12-5-25, 19-5-25, 26-5-25, 2-6-25, 9-6-25, 16-6-25, 23-6-25, 30-6-25, 7-7-25, 14-7-25, 21-7-25, 28-7-25, 4-8-25, 11-8-25, 18-8-25, 25-8-25, 1-9-25, 8-9-25, 15-9-25, 22-9-25, 29-9-25, 6-10-25, 13-10-25, 20-10-25, 27-10-25, 3-11-25, 10-11-25, 17-11-25, 24-11-25, 1-12-25, 8-12-25, 15-12-25, 22-12-25, 29-12-25, 5-1-26, 12-1-26, 19-1-26, 26-1-26, 2-2-26, 9-2-26, 16-2-26, 23-2-26, 3-3-26, 10-3-26, 17-3-26, 24-3-26, 31-3-26, 7-4-26, 14-4-26, 21-4-26, 28-4-26, 5-5-26, 12-5-26, 19-5-26, 26-5-26, 2-6-26, 9-6-26, 16-6-26, 23-6-26, 30-6-26, 7-7-26, 14-7-26, 21-7-26, 28-7-26, 4-8-26, 11-8-26, 18-8-26, 25-8-26, 1-9-26, 8-9-26, 15-9-26, 22-9-26, 29-9-26, 6-10-26, 13-10-26, 20-10-26, 27-10-26, 3-11-26, 10-11-26, 17-11-26, 24-11-26, 1-12-26, 8-12-26, 15-12-26, 22-12-26, 29-12-26, 5-1-27, 12-1-27, 19-1-27, 26-1-27, 2-2-27, 9-2-27, 16-2-27, 23-2-27, 3-3-27, 10-3-27, 17-3-27, 24-3-27, 31-3-27, 7-4-27, 14-4-27, 21-4-27, 28-4-27, 5-5-27, 12-5-27, 19-5-27, 26-5-27, 2-6-27, 9-6-27, 16-6-27, 23-6-27, 30-6-27, 7-7-27, 14-7-27, 21-7-27, 28-7-27, 4-8-27, 11-8-27, 18-8-27, 25-8-27, 1-9-27, 8-9-27, 15-9-27, 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