

Port of *Sunderland*

Received at London Office WED. JAN 23 1907

No. in Survey held at *Sunderland*Date, first Survey 15th September, 06Last Survey 16th January, 1907.

Reg. Book.

(Number of Visits 29.)

on the *Steel Screw Steamer "HOLYWOOD"*

Gross 1545.50

Net 964.55

When built 1904

Master *J. W. Collier*Built at *Sunderland*By whom built *J. Bunker & Co*Engines made at *Sunderland*

By whom made

NE Marine Engineering Co. (Ld.) when made 1904Boilers made at *Sunderland*

By whom made

NE Marine Engineering Co. (Ld.) when made 1904

Registered Horse Power

Owners *W. France & Enwick & Co. Ltd.*

Port belonging to

London

Nom. Horse Power as per Section 28

214

Is Refrigerating Machinery fitted for cargo purposes

no.

Is Electric Light fitted

no.

ENGINES, &c.—Description of Engines

Triple Expansion, Inverted

No. of Cylinders

*Three*No. of Cranks *Three*Dia. of Cylinders *20-33-54*Length of Stroke *36*Revs. per minute *48*

Dia. of Screw shaft

as per rule *12.18*Material of *Iron*

Is the screw shaft fitted with a continuous liner the whole length of the stern tube

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

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 for protected between the liners

Length of stern bush *4-1/2*

Dia. of Tunnel shaft

as per rule *10.12*

Dia. of Crank shaft journals

as per rule *10.62*Dia. of Crank pin *10.5*Size of Crank webs *16 1/2 x 6 1/2*

Dia. of thrust shaft under

collars *10.5*Dia. of screw *14-6*Pitch of Screw *14-6*No. of Blades *four*State whether moveable *no*Total surface *65 sq ft*No. of Feed pumps *Two*Diameter of ditto *3*Stroke *18*Can one be overhauled while the other is at work *yes*No. of Bilge pumps *Two*Diameter of ditto *3 1/2*Stroke *18*Can one be overhauled while the other is at work *yes*No. of Donkey Engines *Two*Duplex Sizes of Pumps *4 x 9 x 9-5 1/2 x 3 1/2 x 5*

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

In Engine Room *Two 2 1/2 in. pumps, one 2 1/2 in. Centre*In Holds, &c. *fore Hold two 2 in. pumps, after Hold two*No. of Bilge Injections *four*Is sizes *4*Connected to condenser, or to circulating pump *pump*Is a separate Donkey Suction fitted in Engine room & size *yes 2 1/2*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 *no*Are all connections with the sea direct on the skin of the ship *yes, except Main*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 *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 *7/12 13/12*of Stern Tube *7/12*Screw shaft and Propeller *17/12*Is the Screw Shaft Tunnel watertight *yes*Is it fitted with a watertight door *yes*worked from *top platform*

BOILERS, &c.—(Letter for record S)

Manufacturers of Steel

*J. Spencer & Sons Ltd. & W. Pigott & Co*Total Heating Surface of Boilers *3534 sq ft*

Is Forced Draft fitted

no

No. and Description of Boilers

*Two, single ended, cyl. 18 in. dia.*Working Pressure *190 lb*

Tested by hydraulic pressure to

380 lb

Date of test

*24/11/06*No. of Certificate *2550*Can each boiler be worked separately *yes*Area of fire grate in each boiler *47 sq ft*

No. and Description of Safety Valves to

each boiler *Two, direct spring*Area of each valve *4.91 sq in*Pressure to which they are adjusted *195 lb*Are they fitted with easing gear *yes*

Smallest distance between boilers or uptakes and bunkers or woodwork

18 in(Rule Mean dia. of boilers *13-3 3/4*)Length *10-6*Material of shell plates *steel*Thickness *1 1/8 in*Range of tensile strength *28 3/4 to 32 tons*Are the shell plates welded or flanged *no*Descrip. of riveting: cir. seams *Lap 5R*long. seams *5R-TR*Diameter of rivet holes in long. seams *1 1/2 in*Pitch of rivets *8 3/4 in*Lap of plates or width of butt straps *18 1/2 in*

Per centages of strength of longitudinal joint

rivets *88 1/2 %*plate *86 1/2 %*Working pressure of shell by rules *192.5 lb*Size of manhole in shell *end 16 x 12*Size of compensating ring *flange*No. and Description of Furnaces in each boiler *Three plain*Material *steel*

Length of plain part

top *48 3/4 in*bottom *44 1/2 in*

Thickness of plates

crown *3 in*bottom *1 1/4 in*Description of longitudinal joint *weld*

No. of strengthening rings

Working pressure of furnace by the rules *196 lb*Combustion chamber plates: Material *steel*Thickness: Sides *3/4 in*Back *13/16 in*Top *3/4 in*Bottom *1/2 in*Pitch of stays to ditto: Sides *8 1/2 x 11 1/2 in*Back *11 1/2 x 14 1/2 in*Top *8 1/2 x 11 1/2 in*If stays are fitted with nuts or riveted heads *into*Working pressure by rules *190.1 lb*Material of stays *steel*Diameter at smallest part *1 1/2 in*Area supported by each stay *98.114 sq in*Working pressure by rules *191 lb*

End plates in steam space:

Material *steel*Thickness *1 3/8 in*Pitch of stays *8 1/2 x 23 1/2 in*How are stays secured *by nuts*Working pressure by rules *200 lb*Diameter at smallest part *3.3 in*Area supported by each stay *440 sq in*Working pressure by rules *193 lb*Material of Front plates at bottom *steel*Thickness *13/16 in*Material of Lower back plate *steel*Thickness *29/32 in*Greatest pitch of stays *14 5/8 x 9 1/8 in*Working pressure of plate by rules *285 lb*Diameter of tubes *3 1/4 in*Pitch of tubes *4 3/4 x 4 1/2 in*Material of tube plates *steel*Thickness: Front *13/16 in*Back *13/16 in*Mean pitch of stays *10 1/4 in*Pitch across wide water spaces *14 1/2 in*Working pressures by rules *246.0 lb*Girders to Chamber tops: Material *steel*

Depth and

thickness of girder at centre *8 1/4 x 2 in*Length as per rule *28 1/8 in*Distance apart *11 1/2 in*Number and pitch of stays in each *Two 8 1/2 in*Working pressure by rules *194 lb*

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

How stayed

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

VERTICAL DONKEY BOILER—

Manufacturers of Steel

No Donkey Boiler.

No.	Description	When made	Where fixed
Made at	By whom made		
Working pressure	tested by hydraulic pressure to	Date of test	No. of Certificate
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted
If fitted with easing gear	If steam from main boilers can enter the donkey boiler	Dia. of donkey boiler	Length
Material of shell plates	Thickness	Range of tensile strength	Descrip. of riveting long. seams
Dia. of rivet holes	Whether punched or drilled	Pitch of rivets	Lap of plating
Working pressure of shell by rules	Thickness of shell crown plates	Radius of do.	No. of stays to do.
Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates
Working pressure of furnace by rules	Thickness of furnace crown plates	Stayed by	Description of joint
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey

SPARE GEAR. State the articles supplied:— one set coupling bolts & nuts, two each top end, bottom end & main bearing bolts & nuts, meset each feed & bilge pump valves one propeller. & assorted bolt & turn.

The foregoing is a correct description,
NORTH EASTERN MARINE ENGINEERING CO. LTD.
 Manufacturer.

Dates of Survey while building
 During progress of work in shops— 1906:— Sept. 15, 21, 25, Oct. 2, 8, 9, 13, 14, 23, 25, 29, Nov. 1, 5, 8, 12, 13, 14, 15, 16, 17, 19, 23, 24, Dec. 3, 5, 13, 17, 19, 29.
 During erection on board vessel— 1907:— 16 Jan.
 Total No. of visits 29.

Is the approved plan of main boiler forwarded herewith **yes**

Dates of Examination of principal parts—Cylinders 19/12 Slides — Covers — Pistons 8/11 13/11 17/11 Rods 17/11
 Connecting rods — Crank shaft 8/11 13/11 17/11 Thrust shaft 19/11 23/11 Tunnel shafts 25/10 3/11 7/11 Screw shaft 8/11 23/11 27/11 Propeller 23/11
 Stern tube 7/12 Steam pipes tested 19/12 Engine and boiler seatings 19/12 Engines holding down bolts 19/12
 Completion of pumping arrangements 29/12 Boilers fixed 17/12 Engines tried under steam 29/12
 Main boiler safety valves adjusted 29/12 Thickness of adjusting washers 1/4 1/4 1/4 1/4 1/4
 Material of Crank shaft steel Identification Mark on Do. 371 D AB Material of Thrust shaft steel Identification Mark on Do. 366 D AB
 Material of Tunnel shafts Iron Identification Marks on Do. 372 D AB Material of Screw shafts Iron Identification Marks on Do. AB
 Material of Steam Pipes copper solid drawn 4 1/2 inch 16 lb 115. Test pressure 400 lb.

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

The machinery of this vessel has been constructed under special survey the Material & workmanship sound & good; the Boilers & steam pipes have been tested by Hydraulic pressure as required by the Rules the machinery worked satisfactorily at the Moorings & the safety valves have been adjusted to their working pressure under steam.

This vessel is eligible in my opinion to have the Notation
 * L M C 1.07 in the Register Book.

It is submitted that
 this vessel is eligible for
 THE RECORD

L.M.C. 1.07.

The amount of Entry Fee.. £ 2: :
 Special .. £ 30 14: :
 Donkey Boiler Fee .. £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 22.1.07
 When received, 24.1.07

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Assigned

FRI. JAN. 25 1907

+ L.M.C. 1.07.



© 2020

Lloyd's Register
 Foundation