

REPORT ON MACHINERY.

Port of *Rotterdam*

Received at London Office **MON. MAY 20 1901**
Last Survey *13 May 1901*
(Number of Visits *3*)

No. in Survey held at *Halt Bommel* Date, first Survey *1 May*

Book. on the *S.S. No. 107 (Speedy)*

Built at *Zell Bommel* By whom built *J. Meyer*

Tons } Gross -
 } Net -
When built *1901*

Lines made at *S. Shields* By whom made

Boilers made at *D.* By whom made

Registered Horse Power Owners *Shipping Investments Ltd.* Port belonging to *London*

Horse Power as per Section 28 Is Refrigerating Machinery fitted Is Electric Light fitted

MACHINES, &c.—Description of Engines *will be fitted at S. Shields*

No. of Cylinders No. of Cranks

Length of Stroke Revs. per minute Dia. of Screw shaft as per rule as fitted Lgth. of stern bush

Dia. of Crank shaft journals as per rule as fitted Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under

No. of blades State whether moveable Total surface

Diameter of ditto Stroke Can one be overhauled while the other is at work

Diameter of ditto Stroke Can one be overhauled while the other is at work

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

Engine Room In Holds, &c. *as far as now fitted*

- 2 1/2" suction in after part of main hold.

Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size

Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible

Are they Valves or Cocks

Are the discharge pipes above or below the deep water line

Are the blow off cocks fitted with a spigot and brass covering plate

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

Is the screw shaft tunnel watertight

worked from

BOILERS, &c.— (Letter for record) Total Heating Surface of Boilers Is forced draft fitted

and Description of Boilers *will be fitted at S. Shields.* Working Pressure Tested by hydraulic pressure to

Can each boiler 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

Mean dia. of boilers Length Material of shell plates

Range of tensile strength Are they welded or flanged Descrip. of riveting: cir. seams long. seams

Pitch of rivets Lap of plates or width of butt straps

Working pressure of shell by rules Size of manhole in shell

No. and Description of Furnaces in each boiler Material Outside diameter

Thickness of plates Description of longitudinal joint No. of strengthening rings

Combustion chamber plates: Material Thickness: Sides Back Top Bottom

If stays are fitted with nuts or riveted heads Working pressure by rules

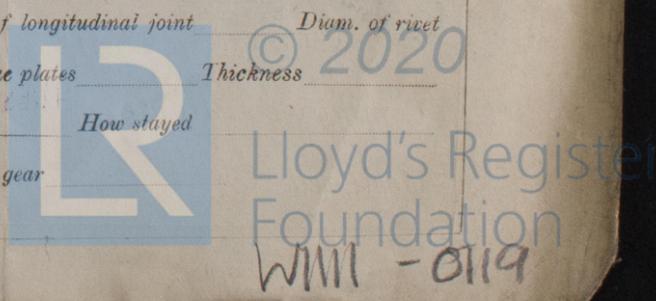
Area supported by each stay Working pressure by rules End plates in steam space:

How are stays secured Working pressure by rules Material of stays

Area supported by each stay Working pressure by rules Material of Front plates at bottom

Greatest pitch of stays Working pressure of plate by rules

Material of tube plates Thickness: Front Back Mean pitch of stays



WMI - 0119

DONKEY BOILER— No. *One* Description *Vertical Croftube boiler.*
 Made at *Berwick Tweed* By whom made *Ges Black* When made *1901* Where fixed *In stowahel*
 Working pressure *100* tested by hydraulic pressure to _____ No. of Certificate *490* Fire grate area *12.56* Description of safety valves *Direct spring*
 No. of safety valves *one* Area of each *7.07* Pressure to which they are adjusted *100 lb* If fitted with easing gear *yes* If steam from main boilers can
 enter the donkey boiler *no* 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 _____ Per centage of strength of joint _____ Rivets _____ Thickness of shell crown plates _____ Radius of do. _____ No. of Stays to do. _____
 Dia. of stays. _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ Description of
 joint _____ Thickness of furnace crown plates _____ Stayed by _____ Working pressure of shell by rules _____
 Working pressure of furnace by rules _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

SPARE GEAR. State the articles supplied:—

Mark on Donkey Boiler.
Boiler No 252
N^o 490
Lloyd's Test.
200 lbs
T F
14.3.01.

The foregoing is a correct description,
 Manufacturer.

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

Is the approved plan of main boiler forwarded herewith
 " " " donkey " " "

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

A temporary funnel has been made to get steam for adjusting of the safety valve and to work winches and steering gear.

As regards the pipe arrangement a 2 1/2" pipe has been laid for bellows suction fore & aft through the hold, and fitted with a 2 1/2" connection and strum in forepeak tank.

Two 2 1/2" bilgepipes laid through crossbunker and fitted with connections & strums in after part of main hold.

The remainder of the pipe arrangement requires to be dealt with at South Shields where Machinery and main boiler will be fitted by Messrs D. T. Gray.

Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee. £	:	:	When applied for,	
Special Fee £	2	2	<i>At 10 p.m.</i>	<i>6.8.01</i>
Donkey Boiler Fee £	:	:	When received,	
Travelling Expenses (if any) £	:	:	<i>24.7.01</i>	

M. G. D. van Olphen
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute TUES. JUL 9 1901
 Assigned

