

REPORT ON MACHINERY.

No. 16518

Port of Hull

Received at London Office

THUR. 12 JAN 1905

Survey held at Hull

Date, first Survey

Mar. 24th

Last Survey

Jun 27th 1904.

(Number of Visits 14)

Main Boilers for S.S. "Berlin"

Gross 1111
Tons Net 497

Built at Dundee

By whom built W. B. Thompson & Co. Ltd.

When built 1891-8

at Dundee

By whom made W. B. Thompson & Co. Ltd.

when made 1891

at Hull

By whom made Charles S. B. & Co. Ltd.

when made 1904

Horse Power

Owners Goole S. S. S. Co. Ltd.

Port belonging to Goole

Power as per Section 28 277

Is Refrigerating Machinery fitted No

Is Electric Light fitted Yes

Description of Engines

No. of Cylinders

No. of Cranks

Length of Stroke

Revs. per minute

Dia. of Screw shaft

as per rule

Material of

as fitted

screw shaft

Is the after end of the liner made water tight

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

If the liner does not fit tightly at the part

If the space charged with a plastic material insoluble in water and non-corrosive

If two

Is the shaft lapped or protected between the liners

Length of stern bush

Dia. of Crank shaft journals

as per rule

Dia. of Crank pin

Size of Crank webs

Dia. of thrust shaft under

Dia. of screw

Pitch of screw

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

Engines Sizes of Pumps

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

In Holds, &c.

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

Are the discharge pipes above or below the deep water line

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HULL 425-0099

DONKEY BOILER— No. _____ Description _____

Made at _____ By whom made _____ When made _____ Where fixed _____

Working pressure _____ tested by hydraulic pressure to _____ No. of Certificate _____ Fire grate area _____ Description of safety 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 _____ 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 :—

FOR EARLE'S
SHIPBUILDING & ENGINEERING CO. LIMITED.
The foregoing is a correct description,

Manufacturer.
Hornum & Co.

MANAGER. 1904:— Mar 24. Apr 20. 27. May 4. 11. 16. 20. 27. 31. Jun 1. 14. 20. 24. 27.

Dates of Survey { During progress of work in shops - - }
while building { During erection on board vessel - - }
Total No. of s. 14

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

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

These boilers have been constructed under Special Survey, are of good material and workmanship, and have been fitted and secured on board in accordance with the Society's Rules. They are now in good working condition and in my opinion eligible to have the notation of +NB7.04. in the Register Book.

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... £ : :
Special £ 11 : 5 : 8
Donkey Boiler Fee £ : :
Travelling Expenses (if any) £ : :
When applied for, 19/10/1904
When received, 3/11/1905

I. Kerr

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

Committee's Minute

FRI. 13 JAN 1905

TUES. 17 JAN 1905

Assigned



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Lloyd's Register
Foundation