

# REPORT ON BOILERS

No. 13353

THUR. 21 NOV 1907

Received at London Office

pt. 5a.

Date of writing Report

19

When handed in at Local Office

4th Decr. 1907 Port of WEST HARTLEPOOL

No. in Survey held at

West Hartlepool

Date, First Survey 16th August

Last Survey 3rd October 1907

eg. Book.

on the Screw Steamer "Pert" in Store

(Number of Visits 19)

Gross

Net

ster

Built at Bowling

By whom built Scott & Co

When built 1892

ines made at

By whom made

when made

ilers made at West Hartlepool

By whom made Central Marine & Works

when made 1907

gistered Horse Power

Owners

Port belonging to

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D Colville & Son

etter for record 5 Total Heating Surface of Boilers 788 sq ft Is forced draft fitted No. and Description of

ilers One Single Ended Working Pressure 120 lb Tested by hydraulic pressure to 240 lb Date of test 3/10/07

o. of Certificate 3122 Can each boiler be worked separately Area of fire grate in each boiler 29 sq ft No. and Description of

ety valves to each boiler 2 direct Spring Area of each valve 3.98 Pressure to which they are adjusted 123 lb

re they fitted with casing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

allest distance between boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 9'9" Length 9'0"

aterial of shell plates Steel Thickness 1 1/16 Range of tensile strength 27-30 Are the shell plates welded or flanged both

escrip. of ricting: cir. seams long. seams All chip all Diameter of rivet holes in long. seams 15/16 Pitch of rivets 3/4

ap of plates or width of butt straps 10 1/4 Per centages of strength of longitudinal joint rivets 79.6 Working pressure of shell by

les 123 lb Size of manhole in shell 15 x 12 Size of compensating ring 31 x 27 x 1 1/4 No. and Description of Furnaces in each

iller Ten Main Material Steel Outside diameter 36 Length of plain part top 5'10" Thickness of plates crown 9/16

escription of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 135 lb Combustion chamber

ates: Material Steel Thickness: Sides 15/32 Back 15/32 Top 15/32 Bottom 15/32 Pitch of stays to ditto: Sides 7 1/2 Back 7 1/2

op 7 1/2 If stays are fitted with nuts or riveted heads none Working pressure by rules 120 lb Material of stays steel Diameter at

allest part 1 1/8 area supported by each stay 7 1/2 Working pressure by rules 120 lb End plates in steam space: Material Steel Thickness 1 1/16

ch of stays 1 1/4 How are stays secured All nut Working pressure by rules 123 lb Material of stays steel Diameter at smallest part 1 3/8

rea supported by each stay 14 x 14 Working pressure by rules 133 lb Material of Front plates at bottom steel Thickness 1 1/16 Material of

ower back plate steel Thickness 1 1/16 Greatest pitch of stays 11 1/2 Working pressure of plate by rules 120 lb Diameter of tubes 3"

itch of tubes 4 1/8 x 4 1/4 Material of tube plates steel Thickness: Front 1 1/16 Back 10/16 Mean pitch of stays 8 1/2 x 8 1/2 Pitch across wide

ter spaces 12 Working pressures by rules 126 lb Girders to Chamber tops: Material steel Depth and thickness of

order at centre 5 x 1 1/2 Length as per rule 22 Distance apart 7 1/2 Number and pitch of Stays in each line 7 1/2

orking pressure by rules 133 lb Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

eparately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

les Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

orking pressure of end plates Area of safety valves to superheater Are they fitted with casing gear

The foregoing is a correct description, FOR THE CENTRAL MARINE ENGINE WORKS.

John Williams

Manufacturer.

Dates During progress of 1907 Aug. 16, 23, 27, 28 Sept. 3, 11, 12, 13, 14, 15, 19, 20, 21, 23, 27, 30

Survey while building During erection on board vessel Oct. 1, 2, 3

Is the approved plan of boiler forwarded herewith yes

Total No. of visits 19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. Workmanship good.

This boiler has been constructed under special survey in accordance with the approved Plans. It was tested by hydraulic pressure to 240 lb and found tight and sound.

Survey Fee ... £ 2 : 13

Travelling Expenses (if any) £ :

When applied for, 4. 10. 1907

When received, 11. 10. 1907

James Jones Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. 22 NOV 1907

Assigned

