

REPORT ON BOILERS.

No. 13350
FRI. 27 SEP 1907

Received at London Office

Date of writing Report

10

When handed in at Local Office

20th Sept, 1907. Port of

WEST HARTLEPOOL

No. in Survey held at
Reg. Book.

West Hartlepool

Date, First Survey 29th April, 07 Last Survey 12th July 1907

(Number of Visits 37)

Gross 8839.63

Tons Net 2464.84

Supplied on the

Steel Screw Steamer "Maylands"

Master J.P. Thomas

Built at West Hartlepool By whom built

W Haythorn Ltd

When built 1907

Engines made at West Hartlepool

By whom made Central Marine & Works

when made 1907

Boilers made at West Hartlepool

By whom made Central Marine & Works

when made 1907

Registered Horse Power

Owners Wilson Shipping Co. Ltd (Joseph F. Wilson & Co.)

Port belonging to West Hartlepool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D Williams & Son

Letter for record S) Total Heating Surface of Boilers 642 sq ft Is forced draft fitted No. and Description of

Boilers Single ended two furnace Working Pressure 100 lb. Tested by hydraulic pressure to 200 lb. Date of test 12/7/07

No. of Certificate 3116 Can each boiler be worked separately Area of fire grate in each boiler 26.4 sq ft No. and Description of

Safety valves to each boiler Two Spring Area of each valve 7.07 sq in Pressure to which they are adjusted 103 lb.

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boilers or uptakes and bunkers or woodwork 22' Mean dia. of boilers 10'0" Length 9'0"

Material of shell plates Steel Thickness 10/16" Range of tensile strength 27-30 Are the shell plates welded or flanged both

Description of riveting: cir. seams long. seams All chip all Diameter of rivet holes in long. seams 14/16" Pitch of rivets 3 5/8"

Gap of plates or width of butt straps 10' Per centages of strength of longitudinal joint rivets 78.5% plate 76.5% Working pressure of shell by

Rules 103 lb. Size of manhole in shell 16" x 12" Size of compensating ring 32" x 28" x 12/16" No. and Description of Furnaces in each

Boiler Two Stain Material Steel Outside diameter 36" Length of plain part top 5'4 1/2" Thickness of plates crown 1/2" bottom 1/2"

Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 116 lb. Combustion chamber

Plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 10/16" Pitch of stays to ditto: Sides 9'0" Back 9'0"

Top 9'0" If stays are fitted with nuts or riveted heads No Working pressure by rules 100 lb. Material of stays Steel Diameter at

Smallest part 1'13" Area supported by each stay 9'0" Working pressure by rules 105 lb. End plates in steam space: Material Steel Thickness 2 3/8"

Pitch of stays 14" How are stays secured All nut Working pressure by rules 118 lb. Material of stays Steel Diameter at smallest part 1'66"

Area supported by each stay 14'2" Working pressure by rules 115 lb. Material of Front plates at bottom Steel Thickness 2 3/8" Material of

Lower back plate Steel Thickness 2 3/8" Greatest pitch of stays 14" Working pressure of plate by rules 100 lb. Diameter of tubes 3 1/2"

Pitch of tubes 4 1/2" Material of tube plates Steel Thickness: Front 2 3/8" Back 10/16" Mean pitch of stays 15 3/8" x 9" Pitch across wide

Water spaces 14" Working pressures by rules 101 lb. Girders to Chamber tops: Material Steel Depth and thickness of

Order at centre 6 1/2" x 1 1/8" Length as per rule 27' Distance apart 9' Number and pitch of Stays in each 4 in 9"

Working pressure by rules 104 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

Rules 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

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

FOR THE CENTRAL MARINE ENGINE WORKS

Manufacturer.

Dates
Survey
While
Building

During progress of
work in shops - -

1907. Apr. 29. May 2. 26. 7. 9. 10. 13. 14. 16. 17. 22. 23. 24. 27. 28. 30. 31. June 4. 5

During erection on
board vessel - - -

6. 10. 11. 12. 13. 14. 17. 21. 24. 26. July. 3. 5. 8. 10. 11. 12.

Is the approved plan of boiler forwarded herewith

Total No. of visits

37

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

This donkey boiler has been constructed under special survey in accordance with the approved Rules and tested by hydraulic pressure and found tight and sound. It has now been efficiently placed on board the above named steamer

Survey Fee ... £ 2 : 2 : 0

When applied for, 26/9/07 1907

Travelling Expenses (if any) £ :

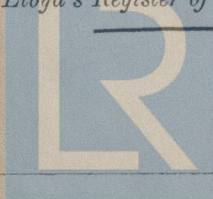
When received, 28/9/07 1907

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

Committee's Minute

TUES. 1 OCT 1907

Assigned



Lloyd's Register
Foundation

W65-0066