

REPORT ON WATER TUBE BOILERS.

No. 10,018.
-8 APR 1929

Received at London Office

Report 19 When handed in at Local Office 27-8-1928 Port of Belfast 23 AUG 1928
Survey held at Belfast Date, First Survey 3rd Jan. 1928 Last Survey 15th Aug. 1928
on the Steel TWIN Sc. STATENDAM Number of Visits 48 Tons { Gross 28150
Net
Built at Belfast By whom built Harland & Wolff Ltd. When built 1928
le at Belfast By whom made Harland & Wolff Ltd. When made 1928
at Belfast By whom made Harland & Wolff Ltd. (Holland - America Lijn) When made 1928
Horse Power 4644 Owners Nederl. - Amerika. Stoomv. Maats. Port belonging to Rotterdam

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.

Record S. Date of Approval of plan 3.10.27-10.11.27 Number and Description or Type
in Babcock & Wilcox Ltd Working Pressure 430 lbs. Tested by Hydraulic Pressure to Date of Test
Can each boiler be worked separately Total Heating Surface of Boilers 42,960 sq ft
ought fitted Yes Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including
auxiliary No. and type of burners (oil) in each boiler Six White No. and description of safety valves on
Two 2 3/4" Improved S.L. Area of each valve 5.94 sq ft Pressure to which they are adjusted
ed with easing gear In case of donkey boilers state whether steam from main boilers can enter the donkey boiler
tance between boilers or uptakes and bunkers or woodwork Height of Boiler 19'0" Width and Length 20'2" x 15'0"
ms: Number in each boiler One Inside diameter 3'6" Material of plates Steel Thickness 1 7/8"
tensile Strength 28-32 tons Are drum shell plates welded or flanged Solid forged Description of riveting:—
✓ long. seams ✓ Diameter of rivet holes in long. seams ✓ Pitch of Rivets ✓
or width of butt straps Thickness of straps ✓ Percentage strength of long. joint:—Plate ✓ Rivet ✓
tube holes in drum 4 1/4" Pitch of tube holes 7 1/4" x 6 1/4" ✓ Percentage strength of shell in way of tubes 44.1
as a flat side state method of staying ✓ Depth and thickness of girders at centre
Distance apart ✓ Number and pitch of stays in each ✓ Working pressure
470-4 1/2 Steam Drum Heads or Ends:—Material Steel Thickness 3" min ✓ Radius or how stayed ✓
nhole or Handhole 16" x 12" ✓ Water Drums:—Number in each boiler One Inside Diameter 6" x 6" Square
plates Steel Thickness 3/4" ✓ Range of tensile strength 24-29 tons ✓ Are drum shell plates welded
Solid-drawn ✓ Description of riveting:—Cir. seams ✓ long. seams ✓ Diameter of Rivet Holes in
Pitch of rivets ✓ Lap of plates or width of butt straps ✓ Thickness of straps ✓
strength of long. joint:—Plate Rivet ✓ Diameter of tube holes in drum 4 1/4" Pitch of tube holes 7 1/4" ✓
strength of drum shell in way of tubes 44.1 ✓ Water Drum Heads or Ends:—Material Steel Thickness 3/4" ✓
ow stayed ✓ Size of manhole or handhole ✓ Headers or Sections:—Number 60 plates + 30 down
Steel Thickness 1 3/32" ✓ Tested by Hydraulic Pressure to 700 lbs. Material of Stays 1 1/16" MAIN GRADE
Best part No. 1 L.S.G. Area supported by each stay 1113 Working Pressure by Rules 620 lbs. INCLINED Tubes:—Diameter 1 1/16" " BOTTOM " 4" " ROW
No. 7 L.S.G. Number 118
No. 1 L.S.G. 30
strength of Joint Diameter Thickness of shell plates Material
of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell
Crown or End Plates:—Material Thickness How stayed
WATER. Type Date of Approval of Plan 10.11.27+20.3.28 Tested by Hydraulic Pressure to
Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler Yes
Safety Valve 2" Pressure to which each is adjusted Is easing gear fitted
ock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes 120 1 1/2" 7/8" No. 8 L.S.G.
AR. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,
For HARLAND AND WOLFF, LIMITED,
A. G. Marshall Manufacturer.
Assistant Secretary.

1928
During progress of Jan. 3.6.20 Feb. 2.9.13.14.15.17.21.22.29. Mar. 2.5.7.12.19. Apr. 6.23.
work in shops - - May. 3.10.11.14.21.23.24.15.30.31. June 1.4.6.8.11.12.16.18.21.25.26.27.28.29.30
During erection on July 2.3.31. Aug. 1.15.
board vessel - -

Is the approved plan of boiler forwarded herewith

Total No. of visits

AL REMARKS (State quality of workmanship, opinions as to class, &c.) The main Boilers' Elements have been tubed
individually to 700 lbs., the steam drums fitted with all mounting and internal parts, the framing,
and air tanks have been built and assembled. The parts have been shipped with the
tanks to Rotterdam to be assembled and tested by hydraulic pressure, as completed boilers.

To be charged with machinery
Fee See later
ing Expenses (if any) £ When applied for, 19
When received, 19

R. Lee Ames
Engineer Surveyor to Lloyd's Register of Shipping.

ee's Minute

TUE. 9 APR 1929

see minute on
Rot. Rpt. 18287



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Foundation

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