

REPORT ON BOILERS.

No. 6665

Received at London Office
 of writing Report 15-9-1909 When handed in at Local Office 19 Port of Belfast
 Description in: Survey held at Belfast Date, First Survey 15-9-1909 Last Survey 19
 Book. A.B. Leices two hinc (Number of Visits) Gross 8039
 on the Belfast Tons Net 5006
 Length Belfast Built at Belfast By whom built Harland & Wolff Ltd When built 1909
 Rivets made at Belfast By whom made Harland & Wolff Ltd when made -
 Plates made at Belfast By whom made Harland & Wolff Ltd when made -
 stays Belfast By whom made Harland & Wolff Ltd when made -
 nt Belfast Owners Robt P. Gay Ltd Port belonging to Liverpool

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel W. G. Colville & Sons Ltd
 ter for record S Total Heating Surface of Boilers 4814 sq ft Is forced draft fitted No No. and Description of
Two-Single End Cylind Working Pressure 215 lb Tested by hydraulic pressure to 430 lb Date of test 28-4-09
32 of Certificate 418 Can each boiler be worked separately Yes Area of fire grate in each boiler 67 1/2 sq ft No. and Description of
Two-Port Opening Area of each valve 9' 62 sq Pressure to which they are adjusted 215 lb
 they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 ullest distance between boilers or uptakes and bunkers or woodwork About 5 ft Mean dia. of boilers 15'-6" Length 10'-9"
 terial of shell plates Steel Thickness 1 1/2" Range of tensile strength 29-33 tons Are the shell plates welded or flanged No
 scrip. of riveting: cir. seams Long Double seams Butt Double Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 10"
 of plates or width of butt straps 23 1/2" Per centages of strength of longitudinal joint rivets 96.9 Working pressure of shell by
249 lb Size of manhole in shell 16" x 12" Size of compensating ring McAlister No. and Description of Furnaces in each
4-Manhole Material Steel Outside diameter 45 1/2" Length of plain part top 9" Thickness of plates crown 3 1/2"
 scription of longitudinal joint Well No. of strengthening rings 5 Working pressure of furnace by the rules 239 lb Combustion chamber
 tes: Material Steel Thickness: Sides 5 1/2" Back 5" Top 5 1/2" Bottom 3 1/2" Pitch of stays to ditto: Sides 8 x 7 1/4" Back 7 1/2 x 7 1/4"
8 x 7 1/4" If stays are fitted with nuts or riveted heads Nuts inside Working pressure by rules 218 lb Material of stays Steel Diameter at
 allest part 1 1/2" Area supported by each stay 60 1/2" Working pressure by rules 261 lb plates in steam space: Material Steel Thickness 1 1/2"
 tch of stays 14 x 15" Are stays secured Yes Working pressure by rules 217 lb Material of stay Steel Diameter at smallest part 2 1/2"
 rea supported by each stay 268 1/2 sq Working pressure by rule 255 lb Material of Front plates at bottom Steel Thickness 1 1/2" Material of
 wer back plate Steel Thickness 3" Greatest pitch of stays 12 1/2" Working pressure of plate by rules 249 lb Diameter of tubes 2 1/2"
 tch of tubes 4 x 4" Material of tube plates Steel Thickness: Front 1 1/2" Back 1 1/2" Mean pitch of stays 8 x 8" Pitch across wide
 ater spaces 14" Working pressures by rules 371 lb Girders to Chamber tops: Material Iron Depth and thickness of
 rder at centre 9 x (8 x 2) Length as per rule 29" Distance apart 9 x 8" Number and pitch of Stays in each 3 x 7 1/4"
 Working pressure by rules 224 lb Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 separately Yes Diameter - Length - Thickness of shell plates - Material - Description of longitudinal joint - Diam. of rivet
 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,
W. G. Colville & Sons Ltd Manufacturer.

Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits See other sheets

Dates of Survey: During progress of work in shops - -
 while building: During erection on board vessel - -

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

Survey Fee ... £ ✓ : When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

Shipping.

Committee's Minute

17 SEP 1909

Assigned

see minute on

attached p. Bel 6665

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



Lloyd's Register
 Foundation

W98-0129

List of Rankey Rumps

| | |
|-------------------------------|------------------|
| General Service Duplex | 9" x 6" x 10" |
| Auxil ^y Feed | 8" x 6" x 12" |
| Ballast | 9" x 10" x 12" |
| Lamp Tank | 6" x 4" x 4" |
| Main Feed | 12" x 9" x 24" |
| Auxil ^y Air Single | 12" x 4" x 8" |
| Fresh Water | 4" x 4" x 10" |
| Evapor ^r Feed | 4" x 3 1/2" x 8" |



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