

Rpt. 5b.

REPORT ON BOILERS.

No. 8660.

Received at London Office FRI. OCT. -9. 1914

Date of writing Report 1914 When handed in at Local Office Oct. 8 1914 Port of Middlesbrough on Tees
 No. in Survey held at Darlington Date, First Survey August 21st Last Survey September 21st 1914
 Reg. Book. on the Donkey Boiler No. 3268 for New Steel S.S. Franca (SSK. 185) (Number of Visits 6) Gross
 Master J. W. Subb Built at Sunderland By whom built Osbourne, Graham & Co. When built 1915
 Boilers made at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When made 1914 1915
 Owners Constantine Doreca Port belonging to London

VERTICAL DONKEY BOILER— No. One Description Blake Patent Manufacturers of steel John Spencer & Co. Ltd.
 Made at Darlington By whom made Blake Boiler, W. & E. Co. Ltd. When made 1914 Where fixed Stokely Working pressure 90 lbs.
 Tested by hydraulic pressure to 180 Date of test 21. 9. 14 No. of Certificate 5388 Fire grate area 25 sq. ft. Description of safety valves Two spring loaded
 No. of safety valves Two Area of each 5.94 sq. in. Pressure to which they are adjusted 92 lbs. If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 7'-0" Length 14'-0" Material of shell plates Steel Thickness 1/2" Range of tensile
 strength 28-32 Descrip. of riveting long. seams R.R. Lap Dia. of rivet holes 15/16 Whether punched or drilled Drilled Pitch of rivets 3"
 Lap of plating 4'-8" Per centage of strength of joint Rivets 78.2 Working pressure of shell by rules 100 lbs. Thickness of shell crown plates 1/2"
 Radius of do. 3'-6" No. of stays to do. 19 Dia. of stays 1 1/2 Diameter of furnace Top 3'-6" Bottom 5'-7" Length of furnace 4'-0"
 Thickness of furnace plates 3/32 Description of joint Welded Working pressure of furnace by rules 97 lbs. Thickness of furnace crown
 plates Top 1/16 19" Radius of do. 3'-6" Stayed by Yes Diameter of uptake tubes 2'-2" Thickness of uptake plates Front 1/4"
 Back 1/32 Thickness of water tubes 3/8" Vert. 4.4" Dia. 9" **SURVEY REQUEST NO. 1009 ATTACHED**
 The foregoing is a correct description. James Blake Manufacturer
 MANAGING DIRECTOR 9.10.14

Dates During progress of work in shops - 1914 Aug. 21-25-27 Sep. 4-15-21.
 of Survey During erection on board vessel - Oct. 11-22 Mar 2
 while building Total No. of visits 6 9

Is the approved plan of boiler forwarded herewith Yes

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

This boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested by hydraulic pressure with satisfactory results. It has been secured in place, mountings fitted & safety valves adjusted under steam & above pressure.

Survey Fee ... £ 2 : 2 :
 Travelling Expenses (if any) £ : 6/6 :

When applied for, 19
 When received, 19

J. K. & William Butler
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. MAR. 23. 1915

Assigned

See minute on 11d for attached



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