

Rpt. 5b.

REPORT ON BOILERS.

No. 6687

THES. 18 APR 1911

Received at London Office

SAT. 11 MAR 1911

Date of writing Report 8th April 1911 When handed in at Local Office 10th Mar 1911 Port of MIDDLESBROUGH ON TEES

No. in Survey held at Darlington Date, First Survey 30th Dec 1910 Last Survey 10th March 1911

Reg. Book. on the Donkey Boiler No. 3162 for S.S. Hunnia (Number of Visits 7) Tons Gross 2247 Net 1357

Master donkey Built at Darlington By whom built Wood, Skinner & Co (SS No. 168) When built 1911

Boilers made at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When made 1911

Owners Attention Sea Navigation Co Ltd Port belonging to Fiume

VERTICAL DONKEY BOILER— No. One Description Blake Patent Manufacturers of steel J. Spence & Sons Ltd

Made at Darlington By whom made Blake Boiler W. E. Co. Ltd When made 1911 Where fixed Stakehold Working pressure 125 lbs

tested by hydraulic pressure to 250 Date of test 1.3.11 No. of Certificate 4587 Fire grate area 25 sq Description of safety valves Spring

No. of safety valves 2 Area of each 7.07 sq Pressure to which they are adjusted 125 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 5/8" Range of tensile strength 28-32 Descrip. of riveting long. seams LR Lap Dia. of rivet holes 1 1/16" Whether punched or drilled drilled Pitch of rivets 3 1/4"

Lap of plating 5" Per centage of strength of joint Rivets 74.4 Plates 67.3 Working pressure of shell by rules 129 lbs Thickness of shell crown plates 5/8"

Radius of do. 3'-6" No. of Stays to do. 4 Dia. of stays 1 1/2" Diameter of furnace Top 3'-6" Bottom 5'-8" Length of furnace 4'-1"

Thickness of furnace plates 3/4" Description of joint welded Working pressure of furnace by rules 130 lbs Thickness of furnace crown plates 5/8" Radius of do. 3'-6" Stayed by 4 Diameter of uptake tubes 2 1/2" Thickness of uptake plates front 3 1/2" Back 1 3/2"

Thickness of water tubes 3 3/4" Vert. 4.5" diag.

The foregoing is a correct description,
For BLAKE BOILER, WAGON & ENGINEERING CO., LIMITED.
J. P. Blake Manufacturer.

MANAGING DIRECTOR.

Dates { During progress of work in shops -- } 1910 Dec. 30. 1911 Jan. 13 & Feb. 1. 1912 Mar. 1.

of Survey { During erection on board vessel -- } also see May Report

while building { Total No. of visits 7 } 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 now been sent to Stockton to be fitted on board.

Request 334 attached

Survey Fee ... £ 2 : 2 : When received monthly etc.

Travelling Expenses (if any) £ : 10/10 : When received 19

Committee's Minute WED. 19 APR 1911

Assigned see minute on ind. Rpt 6708

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



Lloyd's Register Foundation

006248-006257-0164