

REPORT ON BOILERS.

SAT. 6 APL 1907

Port of Belfast Received at London Office
 No. in Survey held at Belfast Date, first Survey 20 May 1906 Last Survey March 27 1907
 Reg. Book. S.S. Chyebassa (Number of Visits 49) Tons Gross 6249
 on the S.S. Chyebassa Net 3991
 Master Belfast Built at Belfast By whom built Workman Clark & Co. Ltd When built 1907
 Engines made at Belfast By whom made - when made -
 Boilers made at Belfast By whom made - when made -
 Registered Horse Power ✓ Owner Butch India S. V. Coy. Ltd Port belonging to Glasgow

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. - Manufacturers of Steel Glasgow Iron Coy. Ltd.

(Letter for record S) Total Heating Surface of Boilers 12500 sq ft Is forced draft fitted No No. and Description of Boilers one - Cylindrical - Single End Working Pressure 180 lbs Tested by hydraulic pressure to 360 Date of test 29-1-07
 No. of Certificate 390 Can each boiler be worked separately ✓ Area of fire grate in each boiler 36 sq ft No. and Description of safety valves to each boiler Two Relief Spring Area of each valve 5.94 sq in Pressure to which they are adjusted 180 lbs
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 Smallest distance between boilers or uptakes and bunkers or woodwork 13 Mean dia. of boilers 2'-0" Length 10'-0"
 Material of shell plates Steel Thickness 3/32 Range of tensile strength 28-32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams Lap & J. long. seams Butt Seams Diameter of rivet holes in long. seams 1/32 Pitch of rivets 8 7/16
 Lap of plates or width of butt straps 1 7/16 Per centages of strength of longitudinal joint rivets 88.6 Working pressure of shell by rules 197 lbs Size of manhole in shell 17 x 13 Size of compensating ring McNeil No. and Description of Furnaces in each boiler 2 - Marston's Material Steel Outside diameter 46 7/8 Length of plain part top 4 bottom 10 Thickness of plates crown 3/16 bottom 3/32 combustion chamber
 Description of longitudinal joint Well No. of strengthening rings ✓ Working pressure of furnace by the rules 204 lbs plates: Material Steel Thickness: Sides 4 1/4 Back 2 1/2 Top 4 3/4 Bottom 8 Pitch of stays to ditto: Sides 9 1/2 x 8 1/2 Back 9 1/2 x 8 1/2
 Top 9 1/2 x 9 If stays are fitted with nuts or riveted heads Nuts inside Working pressure by rules 192 lbs Material of stay Steel Diameter at smallest part 1/2 Area supported by each stay 80 3/4 Working pressure by rule 229 lbs plates in steam space: Material Steel Thickness 1/16
 Pitch of stays 18 x 16 How are stays secured Nuts inside Working pressure by rules 186 lbs Material of stays Steel Diameter at smallest part 2 1/16
 Area supported by each stay 200 lbs Working pressure by rules 193 lbs Material of Front plates at bottom Steel Thickness 1 Material of Lower back plate Steel Thickness 7/8 Greatest pitch of stays 14 Working pressure of plate by rules 89 lbs Diameter of tubes 8
 Pitch of tubes 4 1/2 x 4 1/2 Material of tube plates Steel Thickness: Front 1 Back 1 1/16 Mean pitch of stays 8 1/2 x 8 1/2 Pitch across wide water spaces 14 Working pressures by rules 183 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 8 1/4 (1/2 x 2) Length as per rule 29 1/2 Distance apart 9 1/2 Number and pitch of Stays in each 2-9
 Working pressure by rules 187 lbs 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 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If 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

VERTICAL DONKEY BOILER - No. Description Manufacturers of steel

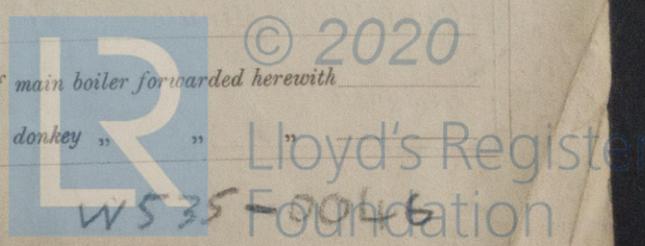
Made at By whom made When made Where fixed Working pressure
 tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler
 Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile strength
 Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
 Lap of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates
 Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
 Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown plates
 Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

The foregoing is a correct description,
 FOR WORKMAN, CLARK & CO., LIMITED.
M. H. Bell Manufacturer.

See other sheet

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - -
 Total No. of visits

Is the approved plan of main boiler forwarded herewith
 " " " donkey " "



If not, state whether, and when, one will be sent. Is a Report also sent on the Hull of the Ship? [Im. 86 Copyable Ink.]

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

Certificate (if required) to be sent to

(The Surveymen are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	See above	When applicable for,
Special	£	:	19
Donkey Boiler Fee ...	£	:	When received,
Travelling Expenses (if any) £	:	:	19

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

Committee's Minute

TUES. 9 APR 1907

Assigned

See Minute on attached report



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