

REPORT ON BOILERS.

No. 37

Received at London Office

Date of writing Report 25 Dec 1914 When handed in at Local Office

Port of Glasgow

Date, First Survey 18th June 1915 Last Survey 30th Dec. 1914

(Number of Visits 66)

No. in Survey held at Glasgow

Reg. Book.

183 on the

S.S. "MAIZAR"

Master

Built at Glasgow

By whom built Connell + Co Ltd No 369 When built 1914

Engines made at Glasgow

By whom made D. Rowan + Co Ltd No 635 When made 1914

Boilers made at Glasgow

By whom made D. Rowan + Co Ltd When made 1914

Registered Horse Power

Owners S. + J. Brocklebank Ltd Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel William Beardmore & Co Ltd

(Letter for record S.) Total Heating Surface of Boilers 6164 Is forced draft fitted no No. and Description of

Boilers Two single ended Working Pressure 200 Tested by hydraulic pressure to 400 Date of test 15-10-14

No. of Certificate 13943 Can each boiler be worked separately yes Area of fire grate in each boiler 558 No. and Description of

safety valves to each boiler 1 pair direct spring Area of each valve 4.9 sq ft Pressure to which they are adjusted 205 lb sq in

Are they fitted with easing gear yes In case of donkey boiler, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork about 18" Internal Mean dia. of boilers 15' 6" Length 12' 0"

Material of shell plates steel Thickness 1 3/8" Range of tensile strength 285 32 Tons Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams D.R. lap long. seams T.R.D.B.S Diameter of rivet holes in long. seams 1 7/16" Pitch of rivets 10 1/16"

Lap of plates or width of butt straps 2 1/2" Per centages of strength of longitudinal joint rivets 85.4 Working pressure of shell by

rules 204 Size of manhole in shell 12" x 16" Size of compensating ring 32" x 36" No. and Description of Furnaces in each

boiler 3 Morrison Material steel Outside diameter 48 3/4" Length of plain part top Thickness of plates crown 4 1/4" bottom 6 1/4"

Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 214 Combustion chamber

plates: Material steel Thickness: Sides 1 1/8" Back 2 1/8" Top 1 1/8" Bottom 1 5/8" Pitch of stays to ditto: Sides 9 3/4" x 8" Back 8 1/2" x 8 3/8"

Top 9 1/8" x 8 1/2" If stays are fitted with nuts or riveted heads none Working pressure by rules 200 Material of stays steel Area

smallest part 2.07" Area supported by each stay 79 sq in Working pressure by rules 236 End plates in steam space: Material steel Thickness 1 1/8"

Pitch of stays 23 x 21 x 1 1/4" How are stays secured none Working pressure by rules 205 Material of stays steel Area Diameter at smallest part 9.29"

Area supported by each stay 477 sq in Working pressure by rules 200 Material of Front plates at bottom steel Thickness 1 5/8" Material of

Lower back plate steel Thickness 3/8" Greatest pitch of stays 13 1/8" Working pressure of plate by rules 201 Diameter of tubes 3"

Pitch of tubes 4 1/8" x 4 1/4" Material of tube plates steel Thickness: Front 1 5/8" Back 2 5/8" Mean pitch of stays 10 1/2" Pitch across wide

water spaces 13 3/4" Working pressures by rules 200 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 10 1/2" x 15" D Length as per rule 40 1/16" Distance apart 8 1/2" Number and pitch of Stays in each 3 at 9 1/8"

Working pressure by rules 200 Superheater or Steam chest: how connected to boiler none 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

The foregoing is a correct description,

for David Rowan & Co Manufacturer.

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

See accompanying Machinery Report.

Is the approved plan of boiler forwarded herewith yes

Total No. of visits

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

Under special survey the materials and workmanship are of good description they have been well fitted on board & run under steam

Survey Fee £

Travelling Expenses (if any) £

When applied for, 191

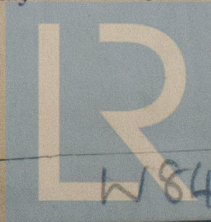
When received, 191

A. McKeand + Messrs H. Copeman Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW

27 DEC. 1917

Assigned See accompanying machinery report.



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