

REPORT ON BOILERS.

No. 5341

FEB 26 1941

Received at London Office

Date of writing Report Dec. 26 1940 When handed in at Local Office Dec. 26 1940 Port of New Orleans, La.

No. in Survey held at New Orleans, La.

Date, First Survey Oct. 28

Last Survey Dec. 19 1940

& test
0 lbs.

on the S.S. "JANELEW"

(Number of Visits 21/0) Gross 6085
Tons {
Net

Master Built at Oakland, Pa, By whom built Moore S.B. Co. Yard No. --- When built 1920
Engines made at New Jersey By whom made W. & A. Fletcher Co. Engine No. --- When made 1920
Boilers made at San Francisco By whom made Moore & Scott Boiler No. --- When made 1920
Indicated ~~shaft~~ Horse Power 2800 Owners Lochinver Ltd. Port belonging to ✓

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record ---)
Total Heating Surface of Boilers 2915 sq. ft. each Boiler Is forced draught fitted Yes Coal or Oil fired Oil
No. and Description of Boilers 3 Multitubular Boilers Working Pressure 210
Tested by hydraulic pressure to 315 Date of test 5/12/40 No. of Certificate --- Can each boiler be worked separately Yes
Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 1 - 3 1/2" Duplex Safety Valve
Area of each set of valves per boiler { per Rule 16.2 sq. in.
as fitted 19.22 Sq. in. Pressure to which they are adjusted 210 Are they fitted with easing gear Yes
In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler None
Smallest distance between boilers or uptakes and bunkers or woodwork 14" Is oil fuel carried in the double bottom under boilers No
Smallest distance between shell of boiler and tank top plating 14" Is the bottom of the boiler insulated Yes
Largest internal dia. of boilers 15' - 2" Length 11' - 0' Shell plates: Material Steel Tensile strength 60,000
Thickness 1 5/8" Are the shell plates welded or flanged Description of riveting: circ. seams { end Double Riveted
inter. None
long. seams 1 7/16" 4"
Pitch of rivets { 9.66"
Percentage of strength of circ. end seams { plate 83.85%
rivets Percentage of strength of circ. intermediate seam { plate None
rivets None
Percentage of strength of longitudinal joint { plate 89.80%
rivets Working pressure of shell by Rules 230
combined
Thickness of butt straps { outer 1 1/8"
inner 1 3/8" No. and Description of Furnaces in each Boiler 3 - Morrison Corrugated
Material Steel Tensile strength 60,000 Smallest outside diameter 48 1/16"
Length of plain part { top 12"
bottom 14 11/16" Thickness of plates { crown 21/32"
bottom 21/32" Description of longitudinal joint None
Dimensions of stiffening rings on furnace or c.c. bottom None Working pressure of furnace by Rules 222
End plates in steam space: Material Steel Tensile strength 58,240 Thickness 1 1/4" Pitch of stays 17 1/2 x 18"
How are stays secured Double nuts Working pressure by Rules 215.38
Tube plates: Material { front Steel Tensile strength { 60,000
back Steel 58,240 Thickness { 13/16"
13/16"
Lean pitch of stay tubes in nests 7 1/2" x 7 1/2" Pitch across wide water spaces 7 1/2" x 13" Working pressure { front 283
back 278
Girders to combustion chamber tops: Material Steel Tensile strength 60,000 Depth and thickness of girder
centre 11" x 3/4" Length as per Rule Distance apart 8 3/4 No. and pitch of stays
each 4 @ 7" Working pressure by Rules 260 Combustion chamber plates: Material Steel
Tensile strength 58,240 Thickness: Sides 11/16" Back 11/16" Top 11/16" Bottom 15/16"
Pitch of stays to ditto: Sides 7" x 7 3/4" Back 7 1/4" x 7 3/4" Top 7" x 8 3/4" Are stays fitted with nuts or riveted over screwed and riveted over
Working pressure by Rules 223 Front plate at bottom: Material steel Tensile strength 58,240
Thickness 13/16" Lower back plate: Material Steel Tensile strength 58,240 Thickness 13/16"
Pitch of stays at wide water space 7 3/4" x 13" Are stays fitted with nuts or riveted over Screwed stays & riveted over.
Working Pressure 310 Main stays: Material Steel Tensile strength 60,000
Diameter { At body of stay 3 5/8"
or Over threads 4" No. of threads per inch 6 Area supported by each stay 17 1/2" x 18"
Working pressure by Rules 240 lbs. Screw stays: Material Steel Tensile strength 60,000
Diameter { At turned off part
or Over threads 1 5/8" No. of threads per inch 12 Area supported by each stay 7 1/4" x 7 3/4"

Working pressure by Rules 218 lbs. Are the stays drilled at the outer ends Yes Margin stays: Diameter { At turned off part, or Over threads 1 3/4"
No. of threads per inch 12" Area supported by each stay 910" Working pressure by Rules 260 lbs.
Tubes: Material Steel External diameter { Plain 2 1/2" Thickness { .134 No. of threads per inch 12
Pitch of tubes 3 3/4" x 3 3/4" Working pressure by Rules 236 Manhole compensation: Size of opening in
shell plate 12" x 16" Section of compensating ring Flanged No. of rivets and diameter of rivet holes
Outer row rivet pitch at ends Depth of flange if manhole flanged 4" Steam Dome: Material
Tensile strength Thickness of shell Description of longitudinal joint
Diameter of rivet holes Pitch of rivets Percentage of strength of joint { Plate Rivets
Internal diameter Working pressure by Rules Thickness of crown No. and diameter of
stays Inner radius of crown Working pressure by Rules
How connected to shell Size of doubling plate under dome Diameter of rivet holes and pitch
of rivets in outer row in dome connection to shell

Type of Superheater Foster Manufacturers of { Tubes Steel castings
Number of elements 32 Material of tubes Steel Internal diameter and thickness of tubes 1 5/8
Material of headers Cast Steel Tensile strength Thickness 9/16" Can the superheater be shut off and
the boiler be worked separately Yes Is a safety valve fitted to every part of the superheater which can be shut off from the boiler Yes
Area of each safety valve 1.77 sq. in. Are the safety valves fitted with easing gear No. Working pressure as per
Rules 210 Pressure to which the safety valves are adjusted 210 Hydraulic test pressure
tubes 315 castings and after assembly in place 315 Are drain cocks or valves fit
to free the superheater from water where necessary Yes
Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with Yes
The foregoing is a correct description,
Manufacture

Dates { During progress of work in shops - - - Are the approved plans of boiler and superheater forwarded herewith Yes
of Survey { while building { During erection on board vessel - - - (If not state date of approval.)
Total No. of visits

Is this Boiler a duplicate of a previous case If so, state Vessel's name and Report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers of this vessel have been examined internally and externally with mountings & all safety valves adjusted under steam.
Vessel to have notation of examined 12,40.
Details of repairs effected are enclosed on form 9

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

J. A. Laing
A. Murray
Engineer-Surveyor to Lloyd's Register of Shipping

Committee's Minute NEW YORK JAN 15 1941

Assigned See Machinery Rpt.

TUE. 4 NOV 1941

See other with
N.O. 5341

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