

Received at London Office TUE. 22. APR. 1919
 Date of writing Report March 18 1919 When handed in at Local Office March 18 1919 Port of Vancouver, B.C.
 No. in Survey held at Vancouver, B.C. Date, First Survey Sept. 27/18 Last Survey March 15 1919
 Reg. Book. Single Screw Steel Steamship War Noble. (Number of Visits 10) Gross Tons 5741.12
 on the Single Screw Steel Steamship War Noble. Net Tons 4165.97
 Master Alexander Kane Built at Vancouver B.C. By whom built J. Coughlan & Son Ltd When built 1919
 Engines made at Wellsville N.Y. By whom made Herr Turbine Co. No 50012. When made 1918.
 Boilers made at Vancouver, B.C. By whom made Vulcan Iron Works When made 1918.
 Registered Horse Power 544 Owners The Shipping Controller ^{Rachburn} _{managers} Port belonging to London.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR ~~DONKEY~~

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Monro's Steel Co.*
(Letter for record *S.*) Total Heating Surface of Boilers *8008.5* Is forced draft fitted *Yes* No. and Description of
Boilers *3 Single Ended Scotch* Working Pressure *190* Tested by hydraulic pressure to *300* Date of test *Nov. 21/18*
No. of Certificate *4* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *63.57* No. and Description of
safety valves to each boiler *Two Crosby Marine* Area of each valve *9.06* Pressure to which they are adjusted *190 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 *18"* Mean dia. of boilers *14' 9 7/8"* Length *11' 5 1/2"*
Material of shell plates *Steel* Thickness *1 1/16* Range of tensile strength *60,000* Are the shell plates welded or flanged *Neither*
Descrip. of riveting: cir. seams *Double* Lap, long. seams *Double* Butt Diameter of rivet holes in long. seams *1 1/16* Pitch of rivets *8.60*
Lap of plates or width of butt straps *22 1/2"* Per centages of strength of longitudinal joint rivets *97.5* Working pressure of shell by
rules *208.9* Size of manhole in shell *12" x 16"* Size of compensating ring *✓* No. and Description of Furnaces in each
boiler *3 Morrison* Material *Steel* Outside diameter *48 3/16"* Length of plain part top *8 1/4"* Thickness of plates crown *19/32"*
Description of longitudinal joint *✓* No. of strengthening rings *✓* Working pressure of furnace by the rules *196* Combustion chamber
plates: Material *Steel* Thickness: Sides *9/16* Back *9/16* Top *9/16* Bottom *7/8* Pitch of stays to ditto: Sides *10 1/32* Back *7/8"*
Top *7 1/2"* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *194* Material of stays *Steel* Area at
smallest part *204* Area supported by each stay *49* Working pressure by rules *253* End plates in steam space: Material *Steel* Thickness *1 1/16*
Pitch of stays *16 1/4"* How are stays secured *Nuts* Working pressure by rules *193* Material of stays *Steel* Area at smallest part *49*
Area supported by each stay *264* Working pressure by rules *193* Material of Front plates at bottom *Steel* Thickness *3/4"* Material of
Lower back plate *Steel* Thickness *3/4"* Greatest pitch of stays *7 1/32"* Working pressure of plate by rules *212* Diameter of tubes *3" O.*
Pitch of tubes *4 1/4"* Material of tube plates *Steel* Thickness: Front *3/4"* Back *3/4"* Mean pitch of stays *7 1/32"* Pitch across wide
water spaces *13"* Working pressures by rules *204* Girders to Chamber tops: Material *Steel* Depth and thickness of
girder at centre *10" x 3/4"* Length as per rule *3' 0"* Distance apart *7 1/2"* Number and pitch of Stays in each *30 7 1/2"*
Working pressure by rules *236* Steam dome: description of joint to shell *✓* % of strength of joint *✓*
Diameter *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet holes *✓*
Pitch of rivets *✓* Working pressure of shell by rules *✓* Crown plates *✓* Thickness *✓* How stayed *✓*
SUPERHEATER. Type *Foster* Date of Approval of Plan *63018* Tested by Hydraulic Pressure to *63018*
Date of Test *✓* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *Yes*
Diameter of Safety Valve *1 1/2" in each Section* Pressure to which each is adjusted *210 lbs* Is Easing Gear fitted *Yes*

VERTICAL DONKEY BOILER—

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

Thickness of water tubes

The foregoing is a correct description. **LIMITED**

The foregoing is a correct description.

Manufacturer

| | | |
|-----------------------------------------|------------------------------------------|-----------------------------------------------------|
| Dates of Survey while building | During progress of work in shops - - | Sept 27/18. Nov 18/18. Nov 21/18 |
| | During erection on board vessel - - - | Jan 18/19. Jan 28/19. Feb 4/19. Feb 8/19. Feb 13/19 |
| | Total No. of visits | Feb 14/19. March 15/19 10 visits |

Is the approved plan of main boiler forwarded herewith.

“ ” “ donkey ” ”

W149-0037

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

These Main Boilers have been constructed under Special Survey and in accordance with the plans submitted and approved by the Committee. The materials have been tested by the Rules and the Workmanship is of Good Quality.

31
Lloyds
T.P. 300
w.P. 190.
21.11.18.
C. H.

32
Lloyds
T.P. 300
w.P. 190.
21.11.18.
C. H.

33
Lloyds
T.P. 300
w.P. 190.
21.11.18.
C. H.

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £ .. : When applied for,
1/3 Special £ 87.25 : March 27th 1919.
Donkey Boiler Fee £ .. : When received,
Travelling Expenses (if any) £ .. : .. 1919.....

Committee's Minute

FRI MAY 2 - 1919

Assigned

See accompanying fe. 41

Geo. C. M. Gowen
Engineer Surveyor to Lloyd's Register of Shipping.

Rpt. 13.

RE

Port of *V*

No. in on the
Reg. Book Busi

Owners *The Sh*

Yard No. *6*

DESCRIPTION

Two Co
General Co

Capacity of Dyna

Where is Dyna

Position of Main

Positions of au

B. Officer

D. Crew

If fuses are fit

circuits

If vessel is wire

Are the fuses

Are all fuses f

are perman

Are all switches

Total number o

A *Four*

B *Fifty*

C *Six*

D *Four*

E *W*

Two Mast

Two

Five

If arc lights, w

Where are the

DESCRIPTION

Main cable car

Branch cables

Branch cables

Leads to lamps

Cargo light cabl

DESCRIPTION

All Co

Water

Pubb

Joints in cables

layers

with

Are all the join

positions,

Are there any

How are the c



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