

REPORT ON BOILERS.

No. 39

REC'D NEW YORK May 15 1918

Received at London Office

Sitting Report May 14 1918 When handed in at Local Office

101 Port of Toronto

Survey held at Toronto

Date, First Survey Jan 25/18

Last Survey

191

(Number of Visits)

Tons

Gross 2335.54

Net 1424.28

on the S.M.B. Installation N° 51. of Howden Boilers

H. Gervahan Built at N. Westminster

By whom built N. Westmire & Co. Ltd

When built 1918

made at Wickville, Ont

By whom made Canadian Bridge Co

When made 1918

made at Toronto

By whom made The John Inglis Co. Ltd

When made 1918

Horse Power 1300

Owners J. Cook & Son (Quebec)

Port belonging to New Westminster

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Lukens, Batesville, U.S.A.

for record) Total Heating Surface of Boilers 5280 sq Is forced draft fitted yes No. and Description of

2 Howden

Working Pressure 185 lb Tested by hydraulic pressure to 280

Date of test April 19 1918

Certificate 24-26-27 Can each boiler be worked separately yes Area of fire grate in each boiler 60 sq No. and Description of

doors to each boiler Double spring loaded Area of each valve 8'29 Pressure to which they are adjusted

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

distance between boilers or uptakes and bunkers or woodwork

Mean radius of boilers 18 7/16

Length 9'0

of shell plates Steel

Thickness 3/4

Range of tensile strength 26-30

Are the shell plates welded or flanged No

Rods 2B-8 of riveting: cir. seams Single

long. seams Double

Diameter of rivet holes in long. seams 7/8

Pitch of rivets 2'65

plates or width of butt straps 1'3/8

Per centages of strength of longitudinal joint rivets 79.9

Working pressure of shell by

bolts 218 Size of manhole in shell 16" x 22"

Size of compensating ring

No. and Description of Furnaces in each

None

Material

Outside diameter

Length of plain part top

Thickness of plates crown

on of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Material Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Mark on Do. 5-12 If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

Marks on Do. 5-12 Area supported by each stay

Working pressure by rules

End plates in steam space: Material Steel Thickness 1"

stays 15" x 15" How are stays secured

Working pressure by rules 185

Material of stays

Diameter at smallest part

ported by each stay

Working pressure by rules

Material of Front plates of bottom

Steel

Thickness 7/8

Material of

ch plate Steel

Thickness 3/4

Greatest pitch of stays Dished

Working pressure of plate by rules 185

Diameter of tubes 2"

tubes 3 1/2 x 2 3/4

Material of tube plates Steel

Thickness: Front 1 3/8

Back 1 3/8

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops: Material Steel

Depth and thickness of

with the centre 6 1/4 x 2 1/4 Length as per rule 2' - 11 1/2

Distance apart 6"

Number and pitch of Stays in each 4 - 6 3/4

pressure by rules 200

Superheater or Steam chest: how connected to boiler to shell Can the superheater be shut off and the boiler worked

No

Diameter 27

Length 10' - 2 1/4

Thickness of shell plates 7/16

Material Steel

Description of longitudinal joint Lap

Diam. of rivet

Pitch of rivets 2'5

Working pressure of shell by rules 255

Diameter of flue

Material of flue plates

Thickness

with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

CAL DONKEY BOILER— No. Description Manufacturers of steel

By whom made

When made

Where fixed

Working pressure

hydraulic pressure to

Date of test

No. of Certificate

Fire grate area

Description of safety valves

y valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

y boiler

Dia. of donkey boiler

Length

Material of shell plates

Thickness

Range of tensile

Descrip. of riveting long. seams

Dia. of rivet holes

Whether punched or drilled

Pitch of rivets

ing

Per centage of strength of joint Rivets Plates

Working pressure of shell by rules

Thickness of shell crown plates

No.

No. of Stays to do.

Dia. of stays

Diameter of furnace Top

Bottom

Length of furnace

furnace plates

Description of joint

Working pressure of furnace by rules

Thickness of furnace crown

Radius of do.

Stayed by

Diameter of uptake

Thickness of uptake plates

water tubes

The John Inglis Co. Limited

Manufacturer.

oyd's Register of Ship

Jan 25 Feb 1, 6, 19, 23. Mar 2, 7, 20, 22. April 1, 9, 18, 25. May 6, 8, 13

during progress of

each in shops - -

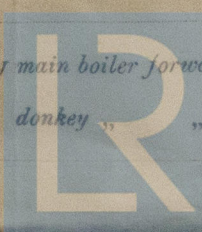
during erection on

board vessel - -

total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " "



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W567-0024

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

These boilers have been constructed under Special Survey. They are of good material & workmanship and have been tested under hydraulic pressure with satisfactory results. They have been shipped to Vancouver to be fitted on board a wooden vessel, and will be eligible for record with date when completed with the machinery

Transmit to Vancouver

[Signature]

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,
Special \$60 : 00	April 24 th 1918
Donkey Boiler Fee £	When received,
Travelling Expenses (if any) £	7/3/19

TUE. 11 FEB. 1919

Committee's Minute

Assigned

FRI. 14 MAR. 1919

FRI. 9 MAY. 1919

Robert C. Blyth & John H. Gwyn
Engineer Surveyors to Lloyd's Register of Shipping



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