

REPORT ON WATER TUBE BOILERS.

No. 1100

23rd. August 45

Received at London Office

of writing Report Nov. 27th 1944 When handed in at Local Office 25th. Aug. 19 45 Port of TORONTO, CANADA & QUEBEC, QUE.
 in Survey held at Toronto, Canada & LAUZON, QUE. Date, First Survey July 17th Last Survey November 23rd, 1944
 g. Bk. on the Transport Ferry No. 3512, (Number of Visits 25 & Continuous Attendance Gross 4290.74 Tons Net 2430.45
 at Lauzon Levis, Quebec, By whom built Hull No. 567 When built 1945
 in made at MONTREAL By whom made CANADIAN PACIFIC RAILWAY CO. When made 1944
 4.9. lers made at Toronto, Canada By whom made John Inglis Co. Ltd. When made 1944
 ininal Horse Power 743 Owners Royal Navy Port belonging to -

ATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel The Steel Co. of Canada
 of Approval of plan B.A.T.M. May 1st, 1944. Lloyd's Reg. of Shipping, Montreal May 15th, 1944.
 Boilers One. Three Drum Working Pressure 225 lbs. Tested by Hydraulic Pressure to 387 lbs. Date of Test Nov. 6/44
 of Certificate 1100 Can each boiler be worked separately Yes Total Heating Surface of Boilers 6256 sq. ft.
 forced draught fitted Closed Stokehold Area of fire grate (coal) in each Boiler -
 and type of burners (oil) in each boiler Four. Admiralty Pattern No. and description of safety valves on

boiler One. 4" Double Spring High-Lift Area of each set of valves per boiler { per rule 16.5 sq. ins
 as fitted 25.13 sq. ins. Pressure to which they
 5 adjusted 225 lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 4 donkey boiler None Smallest distance between boilers xxxxxx and bunkers xxxxxxxx 2'-10" Height of boiler 13'-8 5/8"

th and Length 13'-10-5/8", 13'-0 1/8" Steam Drums:—Number in each boiler One Inside diameter 50"
 6-4 thickness of plates 1 1/2" and 5/8" Range of Tensile Strength 28 - 32 tons Are drum shell plates welded

flanged Welded If fusion welded, state name of welding firm John Inglis Co. Ltd. Have all the requirements of the rules
 Class I vessels been complied with Yes Description of riveting:—Cir. seams - long seams -

diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 g. joint:—Plate - Rivet - Diameter of tube holes in drum 1.01", 1.135", 1.51" Pitch of tube holes 1 1/2", 1-11/16", 2 1/4"

centage strength of shell in way of tubes 32.67, 32.74, 32.89 Steam Drum Heads or Ends:—Range of tensile strength 26 - 30 tons
 thickness of plates Front Head 1-3/16" Back Head 1-1/16" Radius or how stayed Radius Size of manhole or handhole 12" x 16" Water Drums:—Number

each boiler Two Inside Diameter 23" Thickness of plates 1 1/2" & 9/16" Range of tensile strength 28-32 tons Are drum shell plates
 lded or flanged Welded If fusion welded, state name of welding firm John Inglis Co. Ltd. Have all the requirements of the rules

Class I vessels been complied with Yes Description of riveting:—Cir. seams - long seam -
 diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

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 ota percentage strength of drum shell in way of tubes 32.67, 32.74, 32.89 Water Drum Heads or Ends:—Range of Tensile strength 26-30 tons 2 1/4")

thickness of plates Front Head 1-3/16" Back 3/4" Radius or how stayed Radius Size of manhole or handhole 12" x 16"
 ved Headers or Sections:—Number None Material - Thickness - Tested by Hydraulic Pressure to -

tubes:—Diameter 1", 1-1/8" & 1 1/2" O.D. Thickness 0.104" & 0.116" Number 216-1 1/2", 436-1-1/8" Steam Dome or Collector:—Description of
 int to Shell - Inside diameter - Thickness of shell plates - Range of tensile

length - Description of longitudinal joint - If fusion welded, state name of welding
 oton - Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

th of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
 own or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -

UPERHEATER. Drums or Headers:—Number in each boiler None Inside Diameter -
 thickness - Material - Range of tensile strength - Are drum shell plates welded

flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules
 Class I vessels been complied with - Description of riveting:—Cir. seams - long seams -

diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 g. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

um shell in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 dius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

tested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which
 n be shut off from the boiler. - No. and description of Safety Valves - Area of each set

valves - Pressure to which they are adjusted - Is easing gear fitted -

pare Gear. Has the spare gear required by the rules been supplied Spare Gear Supplied to Admiralty Requirements.

The foregoing is a correct description.

The John Inglis Company Limited

Manufacturer.

Dates } During progress of July 17, 19, 20, 31, Aug. 9, 12, 14, 24, 29, Sept. 7, 15, 26 Date 7/20/45 approved plan of boiler forwarded herewith NO
 of Survey } work in shops - Oct. 2, 7, 11, 17, 18, 24, 31, Nov. 3, 6, 11, 14, 20, 23.
 while } During erection on 17-1-45 to 10-8-45
 building } board vessel - - - Continuous Attendance Total No. of visits 25 all in shop

this boiler a duplicate of a previous case YES If so, state vessel's name and report No. C.N. 948 mab Rpt. 6540

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler was built under the Special Survey
 of the Society's Surveyors in accordance with the approved plans and has been tested in accordance
 with the Rules. The workmanship was good and the boiler is eligible in my opinion to be classed in
 this Society when satisfactorily installed, seen under steam, and the safety valves adjusted.

Boiler was approved and stamped:

Survey Fee £90.00: When applied for July 25 19 45 1100
 Installation Bh. £45.00: " " Sept. 22-1945 LLOYDS TEST 387 lbs.
 Travelling Expenses (if any) £15.00: When received Bloomfield & W. Neave W.P. 225 lbs.
 W.H. 6.11.44 (P.T.O.)
 Committee's Minute FRI. 9 NOV 1945 Engineer Surveyor to Lloyd's Register of Shipping.

Assigned Su E.E. machy. rpt.



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Foundation

INSTALLATION -PORT OF QUEBEC:

Boiler installed on board the Vessel under Special Survey, and in accordance with the Approved Plans and Instructions forwarded by the Admiralty. In conjunction with the Machinery, it is recommended that the Vessel be classed with Lloyd's Machinery Certificate with record of ■ L.M.C. 8,45.

N Bloomfield

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.