

REPORT ON BOILERS. Chicago No. 59

REC'D NEW YORK Dec. 26 1918
 Date of writing Report 1918 When handed in at Local Office 1918 Port of Chicago, Ill.
 No. in Survey held at Manitowoc Wis., & Fort William, Ont. Date, First Survey 11-4-18 Last Survey Nov. 21-1918
 Reg. Book. on the Steel Single Screw Steam Trawler "Sebastapol" (Number of Visits) } Gross 321.44
 Master Built at Ft. Williams, Ont. By whom built Canada Car & Foundry Co. When built 1918
 Engines made at Chicago, Ill. By whom made Marine Iron Works When made 1918
 Boilers made at Manitowoc Wis. By whom made Manitowoc Shipbuilding Co. When made 1918.
 Registered Horse Power 546 Owners French Government Port belonging to Port Arthur, Ont.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Illinois Steel Co.
 (Letter for record S.) Total Heating Surface of Boilers 1451 sq. ft. Is forced draft fitted Yes. No. and Description of Boilers One single ended multitubular Working Pressure 185 lbs. Tested by hydraulic pressure to 278 lbs. Date of test 30-7-18
 No. of Certificate 39 Can each boiler be worked separately Yes Area of fire grate in each boiler 36.75 sq. ft. No. and Description of safety valves to each boiler Double Spring. Area of each valve 4.9 sq. ft. Pressure to which they are adjusted 185 lbs.
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 12" INT. dia. of boilers 12'-0" Length 10'-6"
 Material of shell plates S. Thickness 1 3/32" Range of tensile strength 6000/71680 Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams L. S. R. long. seams T. R. D. B. S. Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9 5/8"
 Lap of plates or width of butt straps 1 1/2" Per centages of strength of longitudinal joint rivets 87.4 Working pressure of shell by rules 188.7 Size of manhole in shell 12" x 16" Size of compensating ring 36" x 32" No. and Description of Furnaces in each boiler 2. Morrison Material S. Outside diameter 46 1/8" Length of plain part top 9' bottom 9' Thickness of plates crown 9/16" bottom 9/16"
 Description of longitudinal joint weld No. of strengthening rings 1 Working pressure of furnace by the rules 191 Combustion chamber plates: Material S. Thickness: Sides 1 9/32" Back 1 9/32" Top 1 9/32" Bottom 2 5/32" Pitch of stays to ditto: Sides 6 7/8" x 7" Back 6 7/8" x 6 7/8"
 Top 6 1/2" x 7 7/8" If stays are fitted with nuts or riveted heads Yes - Nuts Ret. Riveted. Working pressure by rules 187 Material of stays S. Area at smallest part 1.19 sq. ft. Area supported by each stay 48.125 sq. ft. Working pressure by rules 197.8 End plates in steam space: Material S. Thickness 1"
 Pitch of stays 16" x 14 3/4" How are stays secured Nuts. Working pressure by rules 189 Material of stays S. Area at smallest part 4.9 sq. ft.
 Area supported by each stay 236 sq. ft. Working pressure by rules 215.9 Material of Front plates at bottom S. Thickness 5/64" Material of Lower back plate S. Thickness 1 1/16" Greatest pitch of stays 6 7/8" x 12 1/16" Working pressure of plate by rules 329 Diameter of tubes 2 1/2"
 Pitch of tubes 3 3/4" x 3 5/8" Material of tube plates S. Thickness: Front 5/64" Back 5/64" Mean pitch of stays 7 1/4" x 11 1/4" Pitch across wide water spaces 13 1/2" Working pressures by rules 198 Girders to Chamber tops: Material S. Depth and thickness of girder at centre 7 1/2" x 1 1/2" Length as per rule 28.6" Distance apart 7 3/8" Number and pitch of Stays in each 3-6 1/2"
 Working pressure by rules 192.8 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 _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Date of Test _____ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____
 Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____

CANADIAN CAR & FOUNDRY COMPANY, LIMITED
 The foregoing is a correct description,
 Manitowoc Shipbuilding Co. Manufacturer.
 Approved _____

Dates of Survey } During progress of work in shops - Apr. 11, 19, 22, 27 May 8, 15, 21, 27, 31 June 6, 18 July 3, 9, 24, 30. Is the approved plan of boiler forwarded herewith No. Duplicate of Chicago Report No. 45.
 while building } During erection on board vessel - SEPT. 28 - OCT 5-7-16 NOV 14-15-21 Total No. of visits 7 Fort William

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The above boiler has been constructed under Special Survey in accordance with the approved plans. The materials & workmanship are good. The boiler has been forwarded to Fort William, Ont. to be fitted on board a vessel being constructed there by the Canadian Car & Foundry Company Ltd.
 The above boiler has been fitted on board this ship and found satisfactory under test.

Survey Fee paid at Chicago \$30.00 : When applied for, 1918
 payable at Ft. William \$15.00 :
 Travelling Expenses (if any) £ 9.85 : When received, Dec 1918

Committee's Minute _____
 Assigned _____
 FRI. FEB. 28, 1919
 H. H. Whelpley, Engineer Surveyor to Lloyd's Register of Shipping.

