

REPORT ON BOILERS.

No. 17937

Received at London Office

21 DEC. 1921

Date of writing Report 5th Dec 1921 When handed in at Local Office 14/12/1921 Port of Greenock

No. in Survey held at Greenock Date, First Survey 4th Feb, 1921 Last Survey 9th Dec, 1921

Reg. Book. Greenock (Number of Visits 32) Tons Gross 2256
Net 1232

on the Steel Steamer "Jing Sang"

Master John S Kincaid Built at Port Glasgow By whom built Dunlop, Mumma & Co When built 1922

Engines made at Port Glasgow By whom made Dunlop, Mumma & Co When made 1922

Boilers made at Greenock By whom made John S Kincaid & Co When made 1921

Registered Horse Power 1000 Owners Indo China S. S. Co Ltd Port belonging to London

Kincaid 125

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel White & Carter, Glasgow

(Letter for record S) Total Heating Surface of Boilers 4435 sq ft Is forced draft fitted Yes No. and Description of Boilers Two Single Ended Working Pressure 180 lb Tested by hydraulic pressure to 320 lb Date of test 7/12/21

No. of Certificate 1593 Can each boiler be worked separately Yes Area of fire grate in each boiler 52.5 sq ft No. and Description of safety valves to each boiler Two Spring Area of each valve 8.29 sq in Pressure to which they are adjusted 185 lb

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 27" Mean dia. of boilers 14.3" Length 11.6"

Material of shell plates Steel Thickness 1 3/16" Range of tensile strength 28/32 Are the shell plates welded or flanged Yes

Descrip. of riveting: Long. seams all on top long. seams all on top Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 8 1/2"

Lap of plates or width of butt straps 18 7/8" Per centages of strength of longitudinal joint 87.72 Working pressure of shell by rules 188 lb Size of manhole in shell 16" x 12" Size of compensating ring 14 1/2" No. and Description of Furnaces in each boiler 3 Diagonal Material Steel Outside diameter 44 1/4" Length of plain part 17 1/2" Thickness of plates 17/32"

Description of longitudinal joint Welded No. of strengthening rings None Working pressure of furnace by the rules 184 lb Combustion chamber plates: Material Steel Thickness: Sides 10/16" Back 11/16" Top 19/16" Bottom 12/16" Pitch of stays to ditto: Sides 9 1/8" Back 9 1/2" Top 9 1/8" If stays are fitted with nuts or riveted heads None Working pressure by rules 183 lb Material of stays Steel Diameter at smallest part 1.79" Area supported by each stay 85.5 sq in Working pressure by rules 188 lb End plates in steam space: Material Steel Thickness 17/32"

Pitch of stays 19:20 How are stays secured all nuts Working pressure by rules 185 lb Material of stays Steel Diameter at smallest part 6.66" Area supported by each stay 380 sq in Working pressure by rules 182 lb Material of Front plates at bottom Steel Thickness 3/32" Material of Lower back plate Steel Thickness 27/32" Greatest pitch of stays 13 1/2" Working pressure of plate by rules 186 lb Diameter of tubes 2 1/2"

Pitch of tubes 3 3/4" Material of tube plates Steel Thickness: Front 3/32" Back 23/32" Mean pitch of stays 9 1/8" Pitch across wide water spaces 13 1/2" Working pressures by rules 184 lb Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 9 1/8" x 1 1/2" Length as per rule 52.6" Distance apart 9" Number and pitch of Stays in each Three 8 1/8"

Working pressure by rules 185 lb Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked separately

holes	Diameter	Length	Thickness of shell plates	Material	Description of longitudinal joint	Diam. of rivet

If stiffened with rings None Distance between rings None Working pressure by rules None End plates: Thickness None How stayed None

Working pressure of end plates None Area of safety valves to superheater None Are they fitted with easing gear None

The foregoing is a correct description,
 FOR JOHN G. KINCAID & COY., LIMITED.
Robert Green Manufacturer.

Request B 47 attached

Dates of Survey 1921 Feb. 4-10. Mar. 18-22. 31. Apr. 7. Sept. 16-20 22-28-30. Oct. 4-5-7-10. Is the approved plan of boiler forwarded herewith Yes

while building 12-14-18-21-25-28. Nov. 1-2-8-10-17-23-25-30. Dec. 7-9. Total No. of visits 32

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

These main boilers have been constructed under special survey in accordance with the approved Photo Sketch tested by hydraulic pressure and found good. Will be fitted on land the other named vessel at Port Glasgow.

Survey Fee ... £ 31 : 0 : When applied for, 14/12/1921

Travelling Expenses (if any) £ : : When received, 4/1/1922

James Jones
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 20 DEC 1921

Assigned TRANSMIT TO LONDON

Seeber Rpt. No. 17962

012124-012128-0105

