

pt. 5b.

REPORT ON BOILERS.

No. 10898 TUE 29 DEC. 1920

Received at London Office
 Date of writing Report 17.12.20 When handed in at Local Office 16.12.20 Port of MIDDLESBRO'
 No. in Survey held at Stockton-on-Tees Date, First Survey 8th October Last Survey 10th December 1920
 Reg. Book. on the S.S. "Ethylene." (Number of Visits 8) Tons } Gross
 } Net
 S.S. No. 226
 Master Built at Newcastle By whom built James Wood Skinner & Co When built
 Boilers made at Stockton By whom made Thomas Thos Sudron & Co Ltd (No 4458) When made 1920
 Owners L. Aslight & Coe Co Port belonging to

VERTICAL DONKEY BOILER— No. one Description Sudron's Patent Manufacturers of steel J. Spencer & Sons
 Made at Stockton By whom made Thos Sudron & Co Ltd When made 1920 Where fixed Stockton Working pressure 100
 tested by hydraulic pressure to 200 Date of test 10.12.20 No. of Certificate 6185 Fire grate area 17 7/8 Description of safety valves Spring loaded.
 No. of safety valves 2 Area of each 7.069 Pressure to which they are adjusted 105 lb. If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 5'-6" Length 12'-3" Material of shell plates steel Thickness 7/16" Range of tensile
 strength 28-32 Descrip. of riveting long. seams 2 Riv. Lap Dia. of rivet holes 1 1/2" Whether punched or drilled drilled Pitch of rivets 2 3/4"
 Lap of plating 4 5/8" Percentage of strength of joint Rivets 73.6 Working pressure of shell by rules 109 Thickness of shell crown plates 5/8"
 Plates 70.54 Radius of do. 3'-9" No. of Stays to do. none Dia. of stays - Diameter of furnace Top 4'-10" Bottom 5'-0" Length of furnace 2'-2 1/2"
 Thickness of furnace plates 9/16" Description of joint Single Lap Working pressure of furnace by rules 121 Thickness of furnace crown
 plates 5/8" Radius of do. 3'-3" Stayed by disks Diameter of tube 2 1/2" Thickness of tube plates F-5/8"
 Thickness of stay tubes 2 1/2" x 5/16" C. Chamber back 3/4" with four rows 1 1/2" x 9/16" The foregoing is a correct description,
stay pitched 9 1/2" x 7 1/8" C. Chamber top 5/8" disks 3'-3" Radius THOMAS SUDRON & CO. LIMITED.
Tube down 4 8/16" dia 5/8" shell: Rivet as main shell: Shell stay 8" x 3/4" R. W. Johnston Manufacturer.

Dates of Survey while building
 During progress of work in shops - Oct 8, 15, 27, Nov. 4, 16, 22, Dec. 6, 10.
 During erection on board vessel - - -
 Total No. of visits 8 Is the approved plan of boiler forwarded herewith Yes

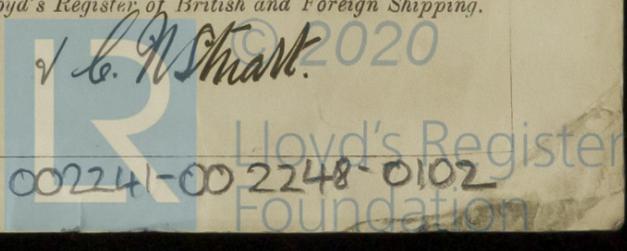
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey: is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results

Survey Fee ... £ 2-2-0 When applied for, Monthly a/c.
 Travelling Expenses (if any) £ : : When received, 19

Wm Morrison

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

Committee's Minute
 Assigned See minute on Rev 74871



Yes.
 Yes.
 24/11/20
 13/1/21
 24/2/21
 13/2/21
 3/2/21

vessel
 rod.
 +
 + digible
 society's

Roll
 20/12/20