

pt. 5b.

REPORT ON BOILERS.

No. 10898 TUE 29 DEC. 1920

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. S.S. "Ethylene." (Number of Visits 8) Tons Gross
S.S. No 226 Net
Master By whom built Newcastle Thos Wood Skinner & Co When built
Boilers made at Stockton By whom made Thos Thos Sudron & Co Ltd (No 4458) When made 1920
Owners Gaslight & Coke 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 1/2 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 73.6 Working pressure of shell by rules 109 Thickness of shell crown plates 5/8"
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 7/16" 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-3/8"
Thickness of water 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,
stage pitched 9 1/2" x 7 1/8" C. Chamber top 5/8" disks 3'-3" Radius 3'-3" THOMAS SUDRON & CO. LIMITED.
Tube down 4 1/2" dia 5/8" shell: Point as main shell: Shell stage 8" x 1/4" Manufacturer.

Dates During progress of work in shops - Oct 8. 15. 27. Nov. 4. 16. 22. Dec. 6. 10.
of Survey while building { 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 at
Travelling Expenses (if any) £ : : When received, 19

Wm Morrison

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

Committee's Minute See minute on Rev 74871
Assigned

