

SS. Suffolk Coast

SUNDERLAND RPT. No. 26985

pt. 5b.

# REPORT ON BOILERS.

No. 9542.

Received at London Office WED. 29 NOV. 1916

Date of writing Report 10 When handed in at Local Office 25/11/16 10 Port of Middlesbrough  
No. in Survey held at Stockton-on-Tees Date, First Survey 11<sup>th</sup> April Last Survey 20<sup>th</sup> Nov 1916  
Reg. Book. 162 on the new steel S/S "SUFFOLK COAST" (S.S. No 212) Tons Gross 864 Net 415  
Master Built at Middlesbrough By whom built W. Harkness & Son Lim. When built 1917  
Boilers made at Stockton By whom made Messrs Thomas Sudron & Co Ltd (No 3822) When made  
Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description 3 brass-tubes Manufacturers of steel John Spencer & Sons  
Made at Stockton By whom made Messrs Thomas Sudron & Co Ltd When made 1916 Where fixed Storehold Working pressure 100  
tested by hydraulic pressure to 200 Date of test 20.11.16 No. of Certificate 5710 Fire grate area 213<sup>4</sup> Description of safety valves Direct spring  
No. of safety valves 2 Area of each 3.980 Pressure to which they are adjusted 100 If fitted with easing gear yes If steam from main boilers can  
enter the donkey boiler Dia. of donkey boiler 6'-0" Length 12'-6" Material of shell plates steel Thickness 7/16" Range of tensile  
strength 29-33 Descrip. of riveting long. seams 2 Riv laps Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 3/4"  
Lap of plating 4 1/8" Per centage of strength of joint Rivets 73.3 Working pressure of shell by rules 104 Thickness of shell crown plates 13/32"  
Radius of do. 5'-9" No. of Stays to do. 6 Dia. of stays 1 3/8" Diameter of furnace Top 4'-9 1/2" Bottom 5'-4 1/2" Length of furnace 4'-8"  
Thickness of furnace plates 5/8" Description of joint Single lap Working pressure of furnace by rules 107 Thickness of furnace crown  
plates 2 1/32" Radius of do. 5'-9" Stayed by as shell crown Diameter of uptake 14 1/2" Thickness of uptake plates 7/16"  
Thickness of water tubes 3/8"

The foregoing is a correct description,  
THOMAS SUDRON & CO. LIMITED Manufacturer.

Dates During progress of work in shops- 1916. April 11. 19. Sep 13. 22. 29. Oct 24. Nov 13. 20  
of Survey while board vessel - - - - -  
building Total No. of visits 8. 11  
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.

The boiler is to be fitted on board at this port.

Sunderland The boiler has been satisfactorily fixed and its safety valves adjusted under steam as above. washers: - F 5/16" A 7/16". least distance boiler to bulkhead - 12".

SURVEY REQUEST  
NO. 12544 ATTACHED.

Survey Fee ... £ 2-2-4 } When applied for, Monthly a/c  
Travelling Expenses (if any) £ : : } When received, 19

Committee's Minute FEB 15 JUN 1917  
Assigned

Wm Morrison L.D. Davis.  
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation



bird loc

Proper

Plan of latches

Attention of old people

Strong things of bottom of ground

Ranking ahead points C. 7

14.1.18



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