

# REPORT ON BOILERS.

No. 5858

Date of writing Report 25/6/09 When handed in at Local Office 25 June 1909 Port of MIDDLESBROUGH ON TYNE  
 Received at London Office 26 JUN 1909  
 No. in Survey held at Hockton-on-Lees Date, First Survey June 2<sup>nd</sup> Last Survey 21<sup>st</sup> June 1909  
 Reg. Book. on the S.S. "Steersman" (Number of Visits 6) Gross 562 Tons Net 254  
 Master C. Rowbotham Built at Newcastle By whom built Thos Wood Skinner & Co When built 1909-10  
 Boilers made at Stockton By whom made J. Sudron & Co Ltd (N<sup>o</sup> 2537) When made 1909  
 Owners C. Rowbotham & Sons Port belonging to London

**VERTICAL DONKEY BOILER**— No. one Description Vertical Manufacturers of steel J. Spencer & Sons  
 Made at Stockton By whom made Thos J. Sudron & Co Ltd When made 1909 Where fixed Atchuda Working pressure 90 lbs  
 tested by hydraulic pressure to 180 Date of test 21.6.09 No. of Certificate 4283 Fire grate area 12 1/2 sq ft Description of safety valves Spring  
 No. of safety valves 2 Area of each 70 Pressure to which they are adjusted 90 lb If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 4'-9" Length 10'-9" Material of shell plates steel Thickness 3/8" Range of tensile strength 28-32 Descrip. of riveting long. seams Lap. Riv Dia. of rivet holes 1/8" Whether punched or drilled punched Pitch of rivets 2 3/4"  
 Lap of plating 4 1/2 Per centage of strength of joint Rivets 85.6 Working pressure of shell by rules 101 lbs Thickness of shell crown plates 7/16"  
 Radius of do. 3'-9" No. of Stays to do. none Dia. of stays - Diameter of furnace Top 3'-9" Bottom 4'-1" Length of furnace 4'-6"  
 Thickness of furnace plates 1/2" Description of joint Lap. Riv Working pressure of furnace by rules 102 lbs Thickness of furnace crown plates 9/16" Radius of do. 3'-9" Stayed by Dished Diameter of uptake 13" Thickness of uptake plates 3/8"  
 Thickness of water tubes 3/8"

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

Dates of Survey while building { During progress of work in shops - - } 1909 June 2. 8. 9. 11. 16. 21  
 { During erection on board vessel - - - } See machy report.  
 Total No. of visits 6

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 in accordance with the plan forwarded herewith and in general conformity with the Rules. The materials and workmanship are sound and good, and on completion the boiler was tested by hydraulic pressure with satisfactory results.*

*This boiler is to be forwarded to the Tyne where, it is stated, it will be fitted on board.*

*This Boiler has and has been fitted on board the above vessel.*

Survey Fee ... £ 2-2-0 When applied for Monthly  
 Travelling Expenses (if any) £ - When received 27/7/09

Committee's Minute

Assigned

JUN 19 1909

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



Lloyd's Register Foundation