

5b.

# REPORT ON BOILERS.

No. 84256.

Received at London Office 30 APR 1921

Writing Report *Mar. 8<sup>th</sup> 1921* When handed in at Local Office **30 APR 1921** Port of *London*

Survey held at *Stitchin* Date, First Survey *22<sup>nd</sup> NOVEMBER 1920* Last Survey *April 28<sup>th</sup> 1921*

Book. *M.V. "PHILO"* (Number of Visits *4*) Gross *332.47* Tons Net *208.93*

on the *Spencer Howard Steels for New Brighton Shipyard Co. Ltd.*

ter Built at *Goaport* By whom built *Camper & Nicholsons Ltd* When built *1921*

er made at *Stitchin* By whom made *Spencer-Bruce & Co. Ltd* When made *1921*

ers *The British Oil Bunkering Co. Ltd* Port belonging to *London*

**VERTICAL DONKEY BOILER** — No. *13434* Description *Spencer Howard* Manufacturers of steel *The Steel Co. of Scotland*

at *Stitchin* By whom made *Spencer-Bruce & Co. Ltd* When made *1921* Where fixed *Engine Room* Working pressure *120 lb*

ed by hydraulic pressure to *230* Date of test *28-4-21* No. of Certificate *1228* Fire grate area *8.3 sq* Description of safety valves *Spring loaded*

of safety valves *2* Area of each *3.14* Pressure to which they are adjusted *120 lb* If fitted with easing gear *yes* If steam from main boilers can

er the donkey boiler  Dia. of donkey boiler *3'-8"* Length *8'-0"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile

ngth *26-30* Descrip. of riveting long. seams *W.R. Cap* Dia. of rivet holes *13/16* Whether punched or drilled *drilled* Pitch of rivets *2 5/8*

of plating *4 1/4* Per centage of strength of joint Rivets *87%* Working pressure of shell by rules *126* Thickness of shell crown plates *1/2"*

adius of do. *flat* No. of Stays to do.  Dia. of stays *-* Diameter of furnace Top *36"* Bottom *40"* Length of furnace *46"*

ckness of furnace plates *1/2"* Description of joint *welded* Working pressure of furnace by rules *120* Thickness of furnace crown

Radius of do. *flat* Stayed by  Diameter of uptake *13 1/4"* Thickness of uptake plates *1/2"*

ckness of water tubes *to 12 lbs.* *Rolling tubes 1/4" thick*

The foregoing is a correct description, Manufacturer. *A. H. Boyle*

Dates During progress of work in shops - - 1920. Nov 22 1921 FEB 9. MAR 8. APR 28.

Survey while building During erection on board vessel - - 23<sup>rd</sup> Sept. 19<sup>th</sup> Oct. 3<sup>rd</sup> Nov. 1921

Total No. of visits *4 and 3.* 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 and in accordance with the approved plan. The material was manufactured by The Steel Co. of Scotland.*

*The workmanship is good and the boiler was tested by hydraulic pressure to 230 lbs per sq. in. and was found tight and free from leakage.*

*The boiler is stamped U.S. test 230 lbs. W.P. 120 lbs. H.P.C. 28.4.21.*

*The Boiler has been efficiently fitted on board the above vessel and the Safety Valves adjusted under steam to 120 lbs.*

*Thickness of washers = 9/32"*

*A. H. Boyle*

Survey Fee ... £ *4.4 0* When applied for, **30 APR 1921**

Travelling Expenses (if any) £ *1 7 0* When received, *9.6.21*

*A. H. Boyle*  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE 10 NOV. 1921*

Assigned



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