

REPORT ON BOILERS.

No. 84258.

Date of writing Report *Mar. 9th 1921* When handed in at Local Office *30 APR 1921* Port of *London*
 No. in Survey held at *London* Date, First Survey *9th FEBRUARY* Last Survey *April 4th 1921*
 Reg. Book. on the *Spencer-Bonecourt Vertical back that boiler for Messrs. Vickers No. 579 vessel.* (Number of Visits *4*) Gross Tons *100* Net Tons *100*
 Master *Anglo-American Oil Co. Ltd.* Built at *Stitchin* By whom built *Messrs. Spencer-Bonecourt Ltd.* When built *1921*
 Boilers made at *Stitchin* By whom made *Messrs. Spencer-Bonecourt Ltd.* When made *1921*
 Owners *Anglo-American Oil Co. Ltd.* Port belonging to *Barrow.*

VERTICAL DONKEY BOILER— No. *1367* Description *Vertical tubular* Manufacturers of steel *Basil Croille & Co.*
 Made at *Stitchin* By whom made *Spencer-Bonecourt* When made *1921* Where fixed *Upper deck made* Working pressure *100 lbs.*
 Tested by hydraulic pressure to *200* Date of test *4.4.21* No. of Certificate *1230* Fire grate area *1.774* Description of safety valves *Spring loaded*
 No. of safety valves *one* Area of each *1.774* Pressure to which they are adjusted *100 lbs.* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *No* Dia. of donkey boiler *3'-3"* Length *10'-6"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile strength *26-32* Descrip. of riveting long. seams *D.R. Lap.* Dia. of rivet holes *13/16* Whether punched or drilled *drilled* Pitch of rivets *2 3/8"*
 Thickness of plating *4 1/4"* Per centage of strength of joint *89.7* Working pressure of shell by rules *145* Thickness of shell crown plates *1/2"*
 Radius of do. *7* No. of Stays to do. *7* Dia. of stays *1 3/8"* Diameter of furnace Top *1'-3"* Bottom *1'-3"* Length of furnace *10'-6"*
 Thickness of furnace plates *1/2"* Description of joint *Butt* Working pressure of furnace by rules *145* Thickness of furnace crown plates *1/2"*
 Radius of do. *7* Stayed by *Diagonal* Diameter of uptake *1'-3"* Thickness of uptake plates *1/2"*
 Thickness of water tubes *17 Swg.*

The foregoing is a correct description,
M. P. Croille Manufacturer.

Dates { During progress of work in shops - 1921: FEB 9-14-17 Apr 4
 { During erection on board vessel -
 while building { Total No. of visits *4*
 Is the approved plan of boiler forwarded herewith *Yes*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This patent waste heat boiler has been built under Special Survey and in accordance with the approved plans. The material was manufactured by Messrs. Basil Croille & Co. The workmanship is good and the boiler was tested by hydraulic pressure to 200 lbs per sq. in. and was found tight and free from leakage. The boiler is stamped Lloyd's List 200 lbs. W.P. 100 lbs. S.P.C. 4.4.21.

Barrow-in-Furness, 23rd May 1921.
 This boiler has been efficiently fitted on board the M.V. "Seminole", & it is heated by the waste gases from the port engine. It was found to work satisfactorily with the Engines running at normal speed, & the safety valve was adjusted under steam to 100 lbs per sq. in. The Stop Valve was made non-return to prevent steam from the Aux. boiler of 120 lbs pressure from entering. Subsequent to the trials of the Vessel & after she had sailed for New York, application was made to the Committee for their approval of working pressure of 120 lbs, & this was granted - see Secretary's letter dated 18th May 1921. It is understood that the Owners will arrange for this matter to have attention the Vessel's return to the U.K.
John Houston.

Survey Fee ... £ *4 4 0* When applied for, *19*
 Travelling Expenses (if any) £ *1 19 0* When received, *8-6-21 J.S.W.*

Committee's Minute *TUL MAY. 31 1921*
 signed *See minute on Bow 1901*

H. J. Croille
 Engineer Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation
W488 0064