

REPORT ON BOILERS.

BOX CASE

No. 168.

SAT. MAR. 15. 1913.

Received at London Office

Date of writing Report 10 When handed in at Local Office 10 Port of *Sheffield.*

No. in Survey held at *Cradley* Date, First Survey *9-1-13.* Last Survey *12-3-13.*

Reg. Book. on the *Boiler No 9344. Bk Alastor* (Number of Visits *3.*) Gross Tons } Not

Master Built at *Cradley* By whom built *Cradley B Co.* When built

Boilers made at *Cradley* By whom made *Cradley B Co.* When made *1913.*

Owners Port belonging to

VERTICAL DONKEY BOILER— No. *One* Description *Cross tube* Manufacturers of steel *D. Colville Sons*

Made at *Cradley* By whom made *Cradley B Co.* When made *1913.* Where fixed ☒ Working pressure *100*

Tested by hydraulic pressure to *200* Date of test *12.3.13.* No. of Certificate *289.* Fire grate area ☒ Description of safety valves *unmounted*

No. of safety valves ☒ Area of each ☒ Pressure to which they are adjusted ☒ If fitted with easing gear ☒ If steam from main boilers can enter the donkey boiler ☒

Dia. of donkey boiler *3'-0"* Length *6'-6"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile strength *28/32* Descrip. of riveting long. seams *D.L. Lap.* Dia. of rivet holes *13/16"* Whether punched or drilled *drilled* Pitch of rivets *2 1/2"*

Gap of plating *4 1/2"* Percentage of strength of joint *94.1%* Working pressure of shell by rules *153.* Thickness of shell crown plates *1/16"*

Radius of do. *3'-0"* No. of Stays to do. ☒ Dia. of stays ☒ Diameter of furnace Top *2'-2"* Bottom *2'-6"* Length of furnace *2'-11"*

Thickness of furnace plates *3/8"* Description of joint *Welded* Working pressure of furnace by rules *140* Thickness of furnace crown plates *1/16"* Radius of do. *2'-6"* Stayed by ☒ Diameter of uptake *9"* Thickness of uptake plates *1/16"*

Thickness of water tubes *3/8"*

The foregoing is a correct description,

CRADLEY BOILER CO. Manufacturer.

Dates of Survey while building { During progress of work in shops - - } *1913 9th Jan. 13th Feb. 7th 12th March.*

{ During erection on board vessel - - }

Total No. of visits *Three.*

Is the approved plan of boiler forwarded herewith *Yes with Ref. 166 British 9342*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This boiler has been built under Special Survey. The material tested in accordance with the Rules & the workmanship is good. This boiler is intended for Stock & has been stamped as under. It is a duplicate of the same makers 9316.*

*No. 289.
LLOYD'S TEST.
200 LBS.
12.3.13. T.C.J. C.B.*

Survey Fee £ *2 : 2 : }* When applied for, *14th Mar 1913.*

Travelling Expenses (if any) £ *4/- :* When received, *18/3/13*

Committee's Minute
Assigned

FRI. AUG. 28. 1914

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



Lloyd's Register
Foundation