

## REPORT ON BOILERS.

No. 407.

Date of writing Report *October 5<sup>th</sup> 1929* When handed in at Local Office *10* Port of *Sheffield*  
 No. in Reg. Book. *40491* on the *Sted Twin L. Motor vessel "GULDBORG"* Date, First Survey *23/7/29* Last Survey *28/9/29* 1929.  
 Master *✓* Built at *Odense* By whom built *Odense Maskfabrik* When built *✓* *1929*  
 Boilers made at *Cradley Heath* By whom made *Messrs The Cradley Boiler Co. Ltd* When made *1929*  
 Owners *7/5 Dampskibsselskabet Dannebrog* Port belonging to *Copenhagen*

VERTICAL DONKEY BOILER— No. *1* Description *Cross Tube* Manufacturers of steel *Messrs. D. Colville & Sons*  
 Made at *Cradley Heath* By whom made *Cradley Boiler Co. Ltd* When made *1929* Where fixed *in the motor* Working pressure *90 lbs*  
 tested by hydraulic pressure to *180* Date of test *28/9/29* No. of Certificate *506* Fire grate area *18.9* Description of safety valves *2 1/2 D. Marine*  
 No. of safety valves *2* Area of each *4.9* Pressure to which they are adjusted *90 lbs* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *no main boiler*  
 Dia. of donkey boiler *5.6* Length *12.0* Material of shell plates *Steel* Thickness *13/32* Range of tensile strength *28/32* Descrip. of riveting long. seams *D.R. Lap* Dia. of rivet holes *13/16* Whether punched or drilled *Drilled* Pitch of rivets *2 1/2*  
 Lap of plating *4 1/2* Per centage of strength of joint *83.8* Rivets *67.5* Plates Working pressure of shell by rules *108 lbs* Thickness of shell crown plates *13/32*  
 Radius of do. *4.6* No. of Stays to do. *None* Dia. of stays *✓* Diameter of furnace Top *4.5 1/4* Bottom *4.11* Length of furnace *6.9* 3-11 rivet centres  
 Thickness of furnace plates *9/16* Description of joint *Welded* Working pressure of furnace by rules *103 lbs* Thickness of furnace crown plates *5/8* Radius of do. *4.6* Stayed by *Uptake* Diameter of uptake *18 1/4* Thickness of uptake plates *9/16*  
 Thickness of water tubes *3/8*

The foregoing is a correct description.

CRADLEY BOILER CO. LTD. Manufacturer.

Dates of Survey { During progress of work in shops - 23/7/29. 6/9/29. 28/9/29.  
 { During erection on board vessel - 24/1. 3/2. 11/2. 20/2. 25/2 1930.  
 while building { Total No. of visits *Three.* *5.*

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 to the approved plan. The materials have been tested in accordance with the rules and the workmanship is good.*

*The Boiler has been built to the Order of Messrs Burmeister & Wain Ltd Copenhagen, Contract No. "Odense 36"*

Marked. *N<sup>o</sup> 506*  
 LLOYDS TEST  
 180 LBS  
 W.P. 90 "  
 RWF. 28/9/29.

*This donkey boiler has been fitted on board the vessel under the supervision and to the satisfaction of the undersigned.*

*A duplex feed pump, 90 x 60 x 90 mm, and a feed injector have been fitted to feed the boiler.*

*Recommends the vessel to have notation of DB 90 lbs. in the Register Book.*

Survey Fee ... £ 4 : 4 " 7  
 Travelling Expenses (if any) £ 2 : 0 " 0

When applied for, *18.10.29*  
 When received, *18.10.29*

*RW Fawcett* *Chubb*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 Assigned

FRI. 21 MAR 1930

*See Cpn. 2E 8195*

002568-002576-0025

Lloyd's Register  
 Foundation