

## REPORT ON BOILERS.

No. 29812.

THUR. 9 MAR 1911  
WED. 1 MAR 1911

Date of writing Report 25-2-1911 When handed in at Local Office 28/2/1911 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 25.5.10 Last Survey 24.2.1911  
 Reg. Book. on the Donkey Boiler for Messrs Wood Skinner & Co. (Number of Visits 3) Gross 740  
 for Dumb Hopper Barge "Irak" Tons Net 740  
 Master Built at By whom built When built  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1911  
 Owners Edmund Mitchell & Co. Port belonging to Manchester

VERTICAL DONKEY BOILER— No. 10719 Description Cross Tube Manufacturers of steel Glasgow Iron Steel Co  
 Made at Annan By whom made Cochran & Co. When made 1911 Where fixed below deck Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 24-2-11 No. of Certificate 10815 Fire grate area 11. Description of safety valves Spring Patent  
 No. of safety valves one Area of each 4.91<sup>sq</sup> Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler ☒ Dia. of donkey boiler 4-6 Length 10-0 Material of shell plates S Thickness 3/8 Range of tensile  
 strength 28-32 Descrip. of riveting long. seams d l Dia. of rivet holes 23/32 Whether punched or drilled d Pitch of rivets 2-27  
 Lap of plating 3/8 Per centage of strength of joint Rivets 80 Working pressure of shell by rules 103 Thickness of shell crown plates 9/16  
 Radius of do. 4-9 No. of Stays to do. none Dia. of stays dished Diameter of furnace Top 42 1/4 Bottom 46 1/2 Length of furnace 51 3/4  
 Thickness of furnace plates 5/8 Description of joint s l Working pressure of furnace by rules 146 Thickness of furnace crown  
 plates 5/8 Radius of do. 4-9 Stayed by dished & uptake Diameter of uptake 13 Thickness of uptake plates 7/16  
 Thickness of water tubes 7/16

The foregoing is a correct description.

Charles Cunningham Manufacturer.  
 Director

Dates of Survey while building { During progress of work in shops -- 1910. May 25. June 2. 1911. Feb 24.  
 { During erection on board vessel --- (at Annan) Mar 1. 1911  
 Total No. of visits 3. Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.) Draw? 6699.

The Material & Workmanship is good.  
 The boiler has been built under special survey.

## Survey request form

No. C260. attached

This Donkey Boiler has been fitted on board  
 the above vessel in a satisfactory manner, and the safety  
 Valves adjusted under steam.

Survey Fee ... £ 2 : 2 : When applied for, Monthly d/c  
 Travelling Expenses (if any) £ : : When received, 19

John H. Heck, B.Sc.  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Glasgow 28 FEB. 1911

Assigned

Transmit to London

FRI JAN 12. 1912 FRI SEP 13. 1912

+ 2. 3. 11

TUE JAN. 16. 1912

FRI MAY 31. 1912



Submitted that further  
action in this case is  
unnecessary until the  
boiler is fitted to a  
classed vessel.

APR. AL  
3-3-11

