

# REPORT ON MACHINERY.

No. 10442 Port of Glasgow Received at London Office FRI 30 JAN 91  
 No. in Survey held at 147 on the S.S. "Renfrewshire" Date, first Survey 8<sup>th</sup> Jan Last Survey 8<sup>th</sup> Jan 1891  
 Reg. Book. 147 (Number of Visits 1)  
 Master Hadden Built at P. Glasgow By whom built Blackwood & Gordon Tons Gross 818  
 Engines made at P. Glasgow By whom made Blackwood & Gordon when made 1870 Net 506  
 Boilers made at ✓ By whom made ✓ when made 1882  
 Registered Horse Power 96 Owners R. McMillan & Co Port belonging to Glasgow

## ENGINES, &c.—

Description of Engines				No. of Cylinders	
Diam. of Cylinders	Length of Stroke	Rev. per minute	Point of Cut off, High Pressure	Low Pressure	
Diameter of Screw shaft	Diam. of Tunnel shaft	Diam. of Crank shaft journals	Diam. of Crank pin	size of Crank webs	
Diameter of screw	Pitch of screw	No. of blades	state whether moveable	total surface	
No. of Feed pumps	diameter of ditto	Stroke	Can one be overhauled while the other is at work		
No. of Bilge pumps	diameter of ditto	Stroke	Can one be overhauled while the other is at work		

CLS 161-0272



104 HR GL

DONKEY BOILER— Description Vertical with cross tubes  
Made at Stockton by whom made Riley Bros when made 6-12-90 where fixed Glasgow  
Working pressure 60 lbs tested by hydraulic pressure to 120 lbs No. of Certificate 164 fire grate area 21 1/6 sq ft description of safety  
valves direct spring No. of safety valves one area of each 1 1/16 sq ft if fitted with easing gear yes if steam from main boilers can  
enter the donkey boiler No diameter of donkey boiler 6' 0" length 12' 0" description of riveting Vertical lap double  
Thickness of shell plates 3/8" diameter of rivet holes 1 3/16" whether punched or drilled punched pitch of rivets 2 1/16" lap of plating 4 1/2"  
per centage of strength of joint 71 thickness of crown plates 7/16" stayed by 6 stays 1 1/2" eff. diam.  
Diameter of furnace, top 4' 10" bottom 5' 5" length of furnace 5' 9" thickness of plates 1/2" description of joint Lap, single  
Thickness of furnace crown plates 7/16" stayed by same as crown working pressure of shell by rules 74 lbs  
Working pressure of furnace by rules 63 lbs diameter of uptake 15" thickness of plates 7/16" thickness of water tubes 3/8"

SPARE GEAR. State the articles supplied:— The above particulars were received from the  
Surveyors at Middlesbrough

The foregoing is a correct description,

Manufacturer.

R. J. Boyd's Register  
Surveyor to Lloyd's Register  
Glasgow