

Pensilva

5 JUN 1929

# REPORT ON BOILERS.

No. 49291

1929

Received at London Office

Report 19... When handed in at Local Office 1. 6. 19 29 Port of Glasgow.

Survey held at Annan. Date, First Survey  Last Survey 30-5-1929.  
(Number of Visits ) Tons { Gross  
Net

on the BOILER No 11076.

Built at Annan. By whom built Messrs. Cochran & Co. Annan Ltd When built 1929.

made at Annan. By whom made Messrs. Cochran & Co. Annan Ltd When made 1929.

Port belonging to \_\_\_\_\_

**CAL DONKEY BOILER**— No. One. Description Vertical. Manufacturers of steel D. Colville & Sons Ltd.  
Annan. By whom made Cochran & Co. Annan Ltd When made 1929. Where fixed Stockholm. Working pressure 100.  
hydraulic pressure to 200. Date of test 30.5.29. No. of Certificate 18309. Fire grate area 37 1/2. Description of safety valves Enclosed spring  
safety valves 2. Area of each 7.06 Pressure to which they are adjusted 100 lb. If fitted with easing gear Yes If steam from main boilers can  
donkey boiler No Diameter of donkey boiler 8'-0" Length 16'-6" Material of shell plates Steel. Thickness 9" 11" 9"  
Tensile strength 28-32. Description of riveting long. seams D.R. lap Diameter of rivet holes 29/32" Whether punched or  
drilled. Pitch of rivets 2.825 2.886 2.675. Lap of plating 4 1/2" Per centage of strength of joint Rivets 66.6. Working pressure of shell by  
66.5. Thickness of shell crown plates 1/2", 1" Radius of do. 4'-0" No. of stays to do.  Diameter of stays  Diameter of  
Top  Bottom 7'-0" Length of furnace 4'-3 1/2" Thickness of furnace side plates  Description of joint  Working  
of furnace by rules 124.2. Thickness of Ogee ring 1" Working pressure of Ogee ring by rules 117. Thickness of furnace  
tees 5/8" Radius of do. 3'-6" Stayed by Hemisphere. Diameter of uptake 2 1/2" x 25" Thickness of uptake  
9" Thickness of tube plates front 27/32" back 3/4" Mean pitch of stay tubes in nest 13-44" Pitch in outer vertical rows 9"  
of tube holes FRONT stay 2 1/2" BACK stay 2 1/2" Working pressure of tube plates by rules F. 102. B. 109.3. Tubes: Material Woot iron.  
diameter stay 2 1/2" plain 2 1/2" Thickness stay 11/32" plain 11. L.S.G. No. of threads per inch 9. Pitch of tubes 3 1/2" x 4 1/2"  
pressure by rules 125. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating  
6" x 27/32" No. of rivets and diameter of rivet holes 36 off. 29/32" Outer row pitch at ends 3-94"

The foregoing is a correct description,  
**J. E. Woodham** Manufacturer.

(During progress of work in shops - - ) Surveyor on regular attendance Drawing No. 14630.  
minimum four visits.

(During erection on board vessel - - )  
Total No. of visits copy 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  
in survey in accordance with the Rules and approved plan.  
materials and workmanship are good.  
boiler is to the order of Messrs. Walliker & Hindmarsh, Cardiff  
is intended for S.S. "Pensilva"

Survey Fee ... .. £ 4 : 4 : When applied for ..... 19 .....

Travelling Expenses (if any) £ : : When received ..... 19 .....

MONTHLY ACCOUNT

John D. Macdonald.  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 4 JUN 1929**  
Signed **TRANSMIT TO LONDON**

**Lloyd's Register of Shipping**  
Foundation

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