

# REPORT ON BOILERS.

No. 47278

16 NOV 1927

Report 19 When handed in at Local Office 14. 11. 19 27 Port of Glasgow  
 Survey held at Annan Date, First Survey 11. 10. 27 Last Survey 11-11-1927  
 on the BOILER No 10661 (Number of Visits 5) Tons { Gross Net  
 Built at Annan By whom built Hessels Cochran & Co Annan Ltd When built 1927  
 By whom made Hessels Cochran & Co Annan Ltd When made 1927  
 Port belonging to

**CAL DONKEY BOILER**— No. ONE Description VERTICAL Manufacturers of steel D. Colville & Son, Ltd.  
Annan By whom made Cochran & Co Annan Ltd When made 1927 Where fixed Working pressure 100 lbs.  
 Hydraulic pressure to 200 lbs. Date of test 11-11-27 No. of Certificate 17676 Fire grate area 9 1/4 Description of safety valves  
 valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can  
 ey boiler Diameter of donkey boiler 4'-6" Length 11'-9" Material of shell plates Steel Thickness 3/8", 7/16", 3/8" ✓  
 le strength 2632 lbs. Description of riveting long. seams D.R. Lap ✓ Diameter of rivet holes 23/32" ✓ Whether punched or  
 Pitch of rivets 2.156", 2.383", 2.364" Lap of plating 3 3/4" Per centage of strength of joint Rivets 75.1 Working pressure of shell by  
 lbs. Thickness of shell crown plates 1/2" Radius of do. 2'-3" No. of stays to do. Diameter of stays Diameter of  
 Hemispherical Bottom 45" Length of furnace 2'-8 1/2" Thickness of furnace side plates 1/2" Description of joint Seamless Working  
 nace by rules 183.2 lbs. Thickness of Ogee ring 5/8" Working pressure of Ogee ring by rules 104 lbs. Thickness of furnace  
 Radius of do. 22 1/2" Stayed by Hemispherical Diameter of uptake 10 1/2" x 17" Thickness of uptake  
 Thickness of tube plates front 1 1/2" Mean pitch of stay tubes in nest 9 1/4" Pitch in outer vertical rows 8" ✓  
 holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules { FRONT 107.4 lbs. BACK 114.8 lbs. Tubes: Material Best Iron  
 stay 2 1/2" Thickness stay 1 1/2" No. of threads per inch 9 ✓ Pitch of tubes 4" x 3 1/2"  
 plain 2 1/2" Thickness plain 1 1/2" No. of threads per inch 9 ✓ Pitch of tubes 4" x 3 1/2"  
 by rules 125 lbs. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating  
 No. of rivets and diameter of rivet holes 32 @ 23/32" Outer row pitch at ends 4 3/8"

The foregoing is a correct description.

THE COCHRAN & CO. ANNAN, LIMITED

J. C. Woodthorn

Manufacturers.

progress of 1927 Oct 11-14-21 Nov 4-11

Drawing No. 15217

shops-  
erection on  
essel -  
o. of visits

5

Is the approved plan of boiler forwarded herewith Yes

REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built  
 in accordance with the Rules, approved plan.  
 Materials and workmanship Good.  
 It is to the order of Mitsubishi Shoji Kaisha for their Ship

... £ 4 : 4 : When applied for 19.  
 nses (if any) £ : : When received 19.

MONTHLY ACCOUNT

Glen. T. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 15 NOV 1927  
 TRANSMIT TO LONDON

TUE. 2 OCT 1928

See Mag. No 1656

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 Foundation

W1247-0212