

## REPORT ON BOILERS.

No. 54225

Date of writing Report 11-2-34 When handed in at Local Office 19-2-34 Port of Glasgow Received at London Office 21 FEB 1934

No. in Survey held at Annan Date, First Survey 10-11-33 Last Survey 8-2-34

Reg. Book. on the 273 (Number of Visits 13) Tons 13 Gross Net

Master                      Built at                      By whom built                      When built                     

Boilers made at                      By whom made                      When made                     

Owners                      Port belonging to                     

VERTICAL DONKEY BOILER— No. 12606 Description Cochran Manufacturers of steel S.C. of Scotland

Made at Annan By whom made Cochran & Co. Annan When made 1934 Where fixed                      Working pressure 120

tested by hydraulic pressure to 230 Date of test 8-2-34 No. of Certificate 19329 Fire grate area                      Description of safety valves                     

No. of safety valves                      Area of each                      Pressure to which they are adjusted                      If fitted with easing gear                      If steam from main boilers can enter the donkey boiler                      Diameter of donkey boiler 5'-6" Length 14'-0" Material of shell plates 8 Thickness 15/32" - 17/32"

Range of tensile strength 28-32 Description of riveting long. seams A.R.L. Diameter of rivet holes 27/32" Whether punched or drilled drilled Pitch of rivets 2-687. 2-725 Lap of plating 4 1/4" Per centage of strength of joint 70.5 Working pressure of shell by rules 130.8 Thickness of shell crown plates 7/16-3/4" Radius of do. 2-9" No. of stays to do. 1 one Diameter of stays                      Diameter of furnace—Top                      Bottom                      Length of furnace 2-6 5/8" Thickness of furnace side plates 1/2" Description of joint weldless Working pressure of furnace by rules 144.8 Thickness of Ogee ring 3/4" Working pressure of Ogee ring by rules 124.7 Thickness of furnace crown plates 1/2" Radius of do. 2-4 1/2" Stayed by Tunnishphere Diameter of uptake 18" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates 27/32" Mean pitch of stay tubes in nest 10.5 Pitch in outer vertical rows 8"

Diameter of tube holes FRONT 2 1/16" BACK 2 1/2" Working pressure of tube plates by rules F124.8. B31.8 Tubes: Material Iron

External diameter 2 1/4" Thickness 1 1/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating ring 28" x 24" x 1/16" No. of rivets and diameter of rivet holes 36 - 27/32" Outer row pitch at ends 3 5/8"

FOR COCHRAN &amp; CO. ANNAN, LTD.

The foregoing is a correct description.

GENERAL WORKS MANAGER.

Dates of Survey while building

During progress of work in shops—	1933 Nov. 10. 17. 24 Dec. 1. 8. 12. 20
During erection on board vessel—	1934 Jan. 5. 12. 19. 25 Feb. 2. 8
Total No. of visits	13

Drawing No. 19940 A

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 in accordance with the approved plan, and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is for the Nederlandsche Scheepsbouw Maats. Jand N° 228

Survey Fee ... £ 4 : 4 :

Travelling Expenses (if any) £ : :

When applied for ... 19

When received ... 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 20 FEB 1934

Assigned TRANSMIT TO LONDON

Jas. Cairns © 2021  
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation

002577-002582-0020