

REPORT ON BOILERS.

Sld. No. 31780
Gls No. 56432
18 DEC 1935
27 FEB 1936

Received at London Office 10. 12. 1935 Port of **GLASGOW**

Survey held at **Annan** Date, First Survey **9. 10. 35** Last Survey **4-12-1935**
Boiler No. **13231** M/V **"RUGELEY"** (Number of Visits **10**) Gross **4985**
on the **"The Red R" Steamship Co. Ltd.** Tons Net **3061**
Built at **Sunderland** By whom built **Wm. Doreford & Co. Ltd.** When built **1936**
By whom made **Cochran & Co. (Annan) Ltd.** When made **1936**
Port belonging to **Newcastle**

VERTICAL DONKEY BOILER— No. **1** Description **Cochran** Manufacturers of steel **Cochran & Co.**
By whom made **Cochran & Co. Annan** When made **1936** Where fixed **Room** Working pressure **120**
Date of test **4-12-35** No. of Certificate **19645** Fire grate area **120** Description of safety valves **D.S.S.**
Area of each **7.06"** Pressure to which they are adjusted **120** If fitted with easing gear **Yes** If steam from main boilers can
Diameter of donkey boiler **8'-0"** Length **17'-3"** Material of shell plates **S** Thickness **2 1/32" - 13/16"**
Description of riveting long. seams **J.R.L.** Diameter of rivet holes **1 1/32"** Whether punched or
Pitch of rivets **3.164, 3.154, 3"** Lap of plating **5"** Per centage of strength of joint **66.2** Working pressure of shell by
Thickness of shell crown plates **1 1/32"** Radius of do. **4'-0"** No. of stays to do. **None** Diameter of stays **1 1/2"** Diameter of
Length of furnace **3'-6 1/8"** Thickness of furnace side plates **2 3/32"** Description of joint **Seamless** Working
Thickness of Ogee ring **1 1/32"** Working pressure of Ogee ring by rules **124.4** Thickness of furnace
Radius of do. **3'-6"** Stayed by **tanisphers** Diameter of uptake **21 1/2" x 25"** Thickness of uptake
Mean pitch of stay tubes in nest **9.48, 7.97"** Pitch in outer vertical rows **6.374, 5.25"**
Working pressure of tube plates by rules **122.196** Tubes: Material **S**
Pitch of tubes **2.875 x 2.625, 3.187 x 3.1"**
No. of threads per inch **9** Section of compensating
Manhole compensation: Size of opening in shell plate **16" x 12"**
Outer row pitch at ends **3.89"**

FOR COCHRAN & CO., ANNAN, LTD.
The foregoing is a correct description,
WORKS MANAGER

During progress of work in shops— **1935 Oct: 9. 17. 26. 31 Nov: 6. 12. 19. 22** Drawing No. **E23292**
During erection on board vessel— **Dec: 2. 4.**
Total No. of visits **10** 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 intended for M^r Doreford & Co. Ltd. Yard No 618

This boiler has been securely fixed on board the vessel examined under Steam, safety valves adjusted to working pressure & accumulation test carried out satisfactorily. In recommendation please see Mech. Rpt.
10/12/35
W.D. Doreford

Survey Fee ... £ **4 : 4 :** When applied for **19**
Travelling Expenses (if any) £ **:** When received **19**

Committee's Minute **GLASGOW 17 DEC 1935**
Assigned **TRANSMIT TO LONDON**

Jas. S. Cairns
Engineer Surveyor to Lloyd's Register of Shipping.
TUE. 3 MAR 1936
Lloyd's Register
Foundation
010012-010023-0264