

# REPORT ON BOILERS.

No. 42831

REC. JUN. 20 1923

Received at London Office

Writing Report 10<sup>th</sup> June 23 When handed in at Local Office 16<sup>th</sup> June, 1923 Port of Glasgow

Survey held at Annan Date, First Survey 25<sup>th</sup> May Last Survey 15.6.1923

on the Cochran Boiler No 9087 for S.S. ELDON (Number of Visits 3) Gross 2925 Tons Net 1465

Built at Haverton Hill on Tees By whom built Furness S.P. Co. Ltd (New) When built 1923

made at Annan By whom made Cochran & Co., Annan Ltd When made 1923

Furness, Witherby & Co. Ltd Port belonging to Newcastle-on-Tyne

TICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel D. Colville & Son Ltd

By whom made Cochran & Co., Annan Ltd When made 1923 Where fixed In Stretford Working pressure 100 lbs.

hydraulic pressure to 200 lbs Date of test 15.6.23 No. of Certificate 16277 Fire grate area 31.55 Description of safety valves double spring loaded

holes and safety valves 2 Area of each 4.91 Pressure to which they are adjusted 1.05 lbs If fitted with easing gear yes If steam from main boilers can

donkey boiler no Dia. of donkey boiler 7'-6" Length 16'-3" Material of shell plates steel Thickness 17/32" Range of tensile 21/32" F

28/32 Descrip. of riveting long. seams D.R. Lap. Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2 7/8" F

plating 4 1/2" Per centage of strength of joint Rivets 67 Plates 68.2 Working pressure of shell by rules 108 lbs Thickness of shell crown plates 15/32" F

of do. 3'-9" No. of Stays to do. none Dia. of stays — Diameter of furnace Top Hemisphere Bottom 6'-6" Length of furnace 3'-4 3/8"

ess of furnace plates 9/16" Description of joint Seamless Ring Working pressure of furnace by rules 120 lbs Thickness of furnace crown

9/16" Radius of do. 3'-3" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake plates 9/16"

pressure of water tube plates 15/16" F

c test pres 15/16" F

or valves 15/16" F

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

W. O. Gray

During progress of work in shops - 1923 May 25 Jun 8. 15

During erection on board vessel -

Total No. of visits 3

Drawing No 12720.

Is the approved plan of boiler forwarded herewith Yes.

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

Boiler, which has not been built under special survey, has been examined throughout, the scantlings checked and found in accordance with the approved plan; the trials have been tested by the Society's Surveyors, and the marks on plates fixed with the certificates; the boiler has been tested by hydraulic pressure to 200 lbs. square inch with satisfactory results; workmanship good.

Annual Survey Request

This boiler has now been satisfactorily fitted on board the vessel and its safety valves adjusted under steam.

A. B. Forster,  
Middlesbrough.

13.11.23

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

A. B. Forster

FRI 23 MAY 1924

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 19 JUN 1923

signed TRANSMIT TO LONDON

TUE. MAR. 19 1924  
FRI JAN. 4 1924

Lloyd's Register  
Foundation

W1217-0273