

REPORT ON BOILERS.

No. 34324

Received at London Office

WED. 19 DEC. 1917

Writing Report 7th Decr 1917 When handed in at Local Office

19

Port of Glasgow

To, in
Book.

Survey held at Annan

Date, First Survey 12/10/17

Last Survey 7th Decr

1917

(Number of Visits 6)

Gross

Net

on the Donkey Boiler for J.S. CROXTETH

Roll + Duncan 1009

Tons

ter

Built at Paisley

By whom built J. Millar & Co

When built 1918

ers made at Annan

By whom made Cochran & Co Annan Ltd

When made 1917

ers

Alfred Rowland & Co

Port belonging to Liverpool

VERTICAL DONKEY BOILER

No. 7595

Description Cochran

Manufacturers of steel Wm Readman & Co

Made at Annan

By whom made Cochran & Co

When made 1917

Where fixed Stretched

Working pressure 100 lb

Tested by hydraulic pressure to 200 Date of test 7-12-17

No. of Certificate 14012

Fire grate area 12.5

Description of safety valve 1. First Spring

of safety valves one

Area of each 7.05

Pressure to which they are adjusted 100

If fitted with easing gear Yes

If steam from main boilers can

Diameter of donkey boiler 10

Dia. of donkey boiler 5'0"

Length 11'3"

Material of shell plates Steel

Thickness $\frac{13}{32} + \frac{15}{32}$

Range of tensile

Length 18/32

Descrip. of riveting long. seams D.R. Lap

Dia. of rivet holes $\frac{25}{32}$

Whether punched or drilled drilled

Pitch of rivets $\frac{2.61}{2.425}$ p of plating $3\frac{7}{8}$

Per centage of strength of joint

Rivets 76.8

Working pressure of shell by rules 104 lb

Thickness of shell crown plates $\frac{41}{64} + \frac{3}{8}$

Diameter of do. 30"

No. of Stays to do. nil

Dia. of stays

Diameter of furnace Top 45" Bottom 51"

Length of furnace 35 1/2"

Thickness of furnace plates $\frac{1}{2} + \frac{41}{64}$

Description of joint

Working pressure of furnace by rules 100 lb

Thickness of furnace crown

Radius of do. 25 1/2"

Stayed by Hemispherical

Diameter of uptake 13" x 19 1/2"

Thickness of uptake plates 1/2"

Thickness of water tubes Plate

Front $\frac{21}{32}$ Back $\frac{17}{32}$

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

H.C. Woodham

Dates During progress of work in shops - 1917 Oct 12-19 Nov 2-9-23 Dec 7

Survey while building During erection on board vessel - - -

Total No. of visits 6

Is the approved plan of boiler forwarded herewith Yes

Drawing No 8918

GENERAL REMARKS

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

The material & workmanship

is good.

The boiler has been built under special survey
It has been securely fastened on board and the safety valves
adjusted under steam. J.S. 24/3/18.

Survey request form

No C1506 attached

Survey Fee ... £ 2 : 2 : When applied for, 19

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

MONTHLY ACCOUNT.

R. Ritchie

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

Committee's Minute GLASGOW. 18 DEC. 1917

Assigned TRANSMIT TO LONDON

See Glasgow Report

No. 37610

GLASGOW 3 APR 1918

Foundation

00653-00658-0054