

5b.

REPORT ON BOILERS.

Clbn No. 12809.

No. 40891.

of writing Report 19th July 1921 When handed in at Local Office 19-2-21 Port of Glasgow
Survey held at Annan Date, First Survey 7th Jan Last Survey 18th Feb 1921
Book. on the Donkey Boiler No 8693 fitted in S.S. "CAIRNSIDE".
(Number of Visits 7) Gross 561.
Tons Net 308.
Built at Aberdeen By whom built A Hall & Co Ltd No. 590 When built 1921.
Made at Annan By whom made Cochran & Co Annan Ltd When made 1921
Thomas Rose. Port belonging to Sunderland.

VERTICAL DONKEY BOILER— No. 8693 Description Cochran Manufacturers of steel J Colville & Sons.
at Annan By whom made Cochran & Co When made 1921 Where fixed in Stokehold Working pressure 100
by hydraulic pressure to 200 Date of test 18/2/21 No. of Certificate 15706 Fire grate area 164^{sq} ft Description of safety valves direct spring.
of safety valves 2. Area of each 3.98^{sq} ft Pressure to which they are adjusted 100 lbs. If fitted with easing gear yes. If steam from main boilers can
the donkey boiler no. Dia. of donkey boiler 5' 6" Length 12' 3" Material of shell plates Steel Thickness 7/16" Range of tensile
Descrip. of riveting long. seams Lap DR Dia. of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 25/32
of plating 3 7/8 Per centage of strength of joint Rivets 69 Plates 68.7 Working pressure of shell by rules 106 Thickness of shell crown plates 43/64
No. of Stays to do. None Dia. of stays Diameter of furnace Top radius 57 1/2 Bottom 57 1/2 Length of furnace 39 1/4
Thickness of furnace plates 1/2 Description of joint Riveted ring Working pressure of furnace by rules 100 Thickness of furnace crown
Radius of do. 28 1/2 Stayed by Hemisphere Diameter of uptake 13" x 19 1/2 Thickness of uptake plates 3/2
plates 7. B. 7/32.
The foregoing is a correct description.
For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
J. W. Watters.

During progress of work in shops - 1921 Jan 7, 14, 21, 28 Feb 4, 11, 18
During erection on board vessel -
Total No. of visits 7

Drawing No 8921

Is the approved plan of boiler forwarded herewith Yes.

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

The boiler has been built under special survey.

The workmanship & materials are good.

The boiler is to the order of A Hall & Co Ltd Aberdeen Ship No 590

Survey request form

C. 1814

No. attached

This boiler has now been fitted on board the above named vessel, and tried under steam with satisfactory results, and the safety valves have been adjusted to working pressure as stated above.

For recommendation of class. See Aberdeen L.C. Machinery Rept. No. 12809.

Survey Fee ... £ 4 : 4 : } When applied for Monthly account
Travelling Expenses (if any) £ : : } When received 10

John W. Watters & Ridley
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW:

22 FEB 1921

Assigned

TRANSMIT TO LONDON

FRI OCT. 14 1921

Lloyd's Register
Foundation

b600-1824