

REPORT ON BOILERS.

No. 42598.

Date of writing Report 23rd March, 1923. When handed in at Local Office 24 3 1923. Port of Glasgow
No. in Survey held at Annan Date, First Survey 9. 3. '23 Last Survey 23. 3. 1923
Reg. Book. on the Boiler N^o 9089 for the New Steel S.S. Berwindmoor
Master Belfast Built at Belfast By whom built Workman Clark & Co When built 1923
Boilers made at Annan By whom made Cochrane & Co., Annan Ltd. When made 1923
Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel D. Colville & Co. Ltd.
Made at Annan By whom made Cochrane & Co., Annan Ltd. When made 1923. Where fixed Queen deck Working pressure 100 lbs.
tested by hydraulic pressure to 200 lbs. Date of test 23. 3. 23 No. of Certificate 6214 Fire grate area 31.5 Description of safety valves 2 Spring loaded
No. of safety valves Two Area of each 1.91 Pressure to which they are adjusted 105 lbs. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No
Dia. of donkey boiler 7'-6" Length 16'-3" Material of shell plates Steel Thickness 17 32" & 21 32" Range of tensile strength 28 32" & 29 32"
Descrip. of riveting long. seams DR Lap Dia. of rivet holes 29 32" Whether punched or drilled drilled Pitch of rivets 2.85" & 2.97"
Lap of plating 4 1/2" Per centage of strength of joint Rivets 67 Plates 68.2 Working pressure of shell by rules 108 Thickness of shell crown plates 15 32" & 29 32"
Radius 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"
Thickness of furnace plates 9 16" & 10 16" Description of joint Seamless Working pressure of furnace by rules 120 lbs. Thickness of furnace crown plates 9 16"
Radius of do. 3'-3" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake plates 9 16"
Thickness of water tube plates 5 16" & 5 13 16"

The foregoing is a correct description,
For COCHRAN & CO., ANNAN, LIMITED
C. W. W. Manufacturer.

Dates of Survey while building { During progress of work in shops - - 1923 Mar 9. 23.
During erection on board vessel - -
Total No. of visits 2

Drawing N^o 12720.

Is the approved plan of boiler forwarded herewith Yes.
Not received in Belfast.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler, which has not been built under Special Survey, has been examined throughout, and the scantlings checked and found in accordance with the plan; the materials have been tested by the Society's Surveyors, and the marks on plates checked with the certificates. The boiler has been tested by hydraulic pressure to 200 lbs. per square inch with satisfactory results; workmanship good.
The boiler is a duplicate of the Boiler N^o 9048, Glasgow Report N^o 42401, and is to the order of Messrs. Workman Clark & Co. Ltd., Belfast, and intended for the S.S. "Berwindmoor".

Annual Survey Request.

This boiler has been satisfactorily installed in the vessel & safety valves adjusted under steam

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

Committee's Minute GLASGOW 28 MAR 1923
Assigned TRANSMIT TO LONDON
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

A. B. Forster William Butler.

TUE. 18 SEP. 1923

Lloyd's Register Foundation

5710-4531M