

REPORT ON BOILERS.

No. 39921

Hull no 33811

Received at London Office

WED. MAY. 12 1920

Date of writing Report

8th May 1920

When handed in at Local Office

8.5.

1920. Port of

Glasgow

No. in Survey held at
Reg. Book.

Date, First Survey 12.3.20

Last Survey

7th May 1920

78208 on the

Donkey Boiler No. 8245 for the S.S. "BROOKSIDE"

(Number of Visits

7

Gross 581.32

Net 252.32

Master

Built at

Goole

By whom built

Goole S.B. & R. Co. (No 241)

When built 1922.

Boilers made at

Aman

By whom made

Cochran & Co. Aman Ltd

When made 1920

Owners

J. Rose.

Port belonging to

Sunderland.

VERTICAL DONKEY BOILER—

No. 8245

Description

Cochran

Manufacturers of steel

Stewarts & Lloyds

Made at

Aman

By whom made

Cochran & Co

When made 1920

Where fixed boiler room

Working pressure 100

tested by hydraulic pressure to

200

Date of test 7/5/20

No. of Certificate 15278

Fire grate area 125 ft

Description of safety valves

Spring loaded.

No. of safety valves one

Area of each 7.67

Pressure to which they are adjusted 100 lb

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

no.

Dia. of donkey boiler 5'-0"

Length 11'-3"

Material of shell plates

Steel

Thickness 3/32

Range of tensile

2.425 to 2.605

strength 28/32

Descrip. of riveting long. seams

Lap. S.R.

Dia. of rivet holes 2 1/32

Whether punched or drilled

drilled

Pitch of rivets 2 1/2

Lap of plating 3 7/8

Per centage of strength of joint

Rivets 76.8

Working pressure of shell by rules

104

Thickness of shell crown plates

4 1/4

3/8

Radius of do. 30 ins

No. of Stays to do. none

Dia. of stays

Diameter of furnace Top

Radius 51 ins

Bottom 51 ins

Length of furnace

35 1/2 ins

Thickness of furnace plates 1/2

Description of joint

Riveted Ring

Working pressure of furnace by rules

100

Thickness of furnace crown

1/2

plates 1/2

Thickness of tube plate 7 1/32

B. 7 1/32

Stayed by Hemisphere

Diameter of uptake 13" x 19 1/2"

Thickness of uptake plates 1/2

The foregoing is a correct description,

For COCHRAN & CO., AMAN, LIMITED

Manufacturer.

W.V. Gray

Dates of Survey while building

During progress of work in shops - 1920

During erection on board vessel - May 4

Total No. of visits 9

May 12. 19. 26 Apr 1. 9. 16. 23. 30

Drawing No 12316

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 and materials are of good quality.

The boiler is to the order of the Goole S.B. & R. Co. and intended Ship No 241. (S.S. Brookside)

This boiler has been properly fitted & secured on board the S.S. "Brookside,"

and its safety valves adjusted under steam.

P. Fitzgerald.

Survey request form

No. C1748 attached

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

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

MONTHLY ACCOUNT.

P. Fitzgerald.

Engineer/Surveyor to Lloyd's Register of Shipping.

FRI. 10 NOV. 1912

Committee's Minute

GLASGOW 11 MAY 1920

Assigned

TRANSMIT TO LONDON

See Hull 26 33811

002062-002070-0273