

RECEIVED

30 AUG 1949

REPORT ON BOILERS.

No. 74399

Date of writing Report

19

When handed in at Local Office

22 AUG 1949

Port of

Glasgow

Received at London Office

25 AUG 1949

No. in Survey held at

Annan

Date, First Survey

9-6-49

Last Survey

11-8-

1949

Reg. Book

on the motor launchship ELISABETH B.

Yard No.

253

Built at

Hesliden

By whom built

De Haas & Oerlman

When built

1949

Boilers made at

Annan

By whom made

Cochran & Co. Annan Boiler No. 18540

When made

1949

Owners

Port belonging to

VERTICAL DONKEY BOILER— No. one Description Cochran Manufacturers of steel Colvilles Ltd.

Made at Annan By whom made Cochran & Co. Annan Ltd When made 1949 Where fixed Hesliden Working pressure 100 lbs/sq in

tested by hydraulic pressure to 200 lbs/sq.in. Date of test 11.8.49 No. of Certificate 22936 Fire grate area 0.5 Description of safety valves double spring

No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler

Diameter of donkey boiler 5'6" Length 12'3" Material of shell plates S Thickness 17/32" & 15/32"

Range of tensile strength 28/32 tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 27/32" Whether punched or drilled

Pitch of rivets 2.69"m 2.55"m 2.18" of plating 4 1/4" Per centage of strength of joint Plates 68.6 Working pressure of shell by rules 130 lbs/sq.in. Thickness of shell crown plates 7/16" & Radius of do. 2'9" No. of stays to do. none Diameter of stays - Diameter of

furnace—Top - Bottom 4'9" Length of furnace - Thickness of furnace side plates 1/2" Description of joint seamless Working pressure of furnace by rules 145 lbs/sq.in. Thickness of Ogee ring 23/32" Working pressure of Ogee ring by rules 114 lbs/sq.in. Thickness of furnace crown plates 1/2" Radius of do. 2'4 1/2" Stayed by hemisphere Diameter of uptake 13 1/2" x 21 1/2" Thickness of uptake

plates 1/2" Thickness of tube plates 19/32" Mean pitch of stay tubes in nest 11.2" Pitch in outer vertical rows 8" F. 109 lbs/sq.in. Tubes: Material S.D. steel

Diameter of tube holes FRONT BACK Working pressure of tube plates by rules B. 111 lbs/sq.in. Tubes: Material S.D. steel

External diameter 2 1/2" Thickness 10 LSG No. of threads per inch 9 Pitch of Tubes 3 1/2" x 4"

Working pressure by rules 175 lbs/sq.in. Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating ring 7 1/2" x 1" No. of rivets and diameter of rivet holes 40 @ 27/32" Outer raw pitch at ends 4"

The foregoing is a correct description,

E. H. W. Williams

Manufacturer.

FOR COCHRAN & CO. ANNAN, LTD.

Dates of Survey while building

During progress of work in shops 1949 Jun. 9-16-23-30 Jul. 14-29 Aug. 4-11

During erection on board vessel - -

Total No. of Visits

Drawing No. 34479

Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed

under Special Survey and in accordance with the approved plan. The materials and workmanship

are good, and has been satisfactorily fitted in the motor launchship

"Elizabeth B" minus De Haas & Oerlman's Yard No 253.

Safety valves adjusted to 100 lbs thickness of washers both 10 mm.

E. H. W. Williams

Survey Fee ... £ 10 : - : -

When applied for

MONTHLY ACCOUNT

Travelling Expenses (if any) £ : : -

When received

19

Committee's Minute GLASGOW 24 AUG 1949

Assigned

Deferred for completion

W. J. Whelan & Co

For annals of S.E. Rpt.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

004263-004274-0178