

REPORT ON BOILERS.

No. 60352

NOV -2 1938

Date of writing Report

19

When handed in at Local Office

29.10.38

Received at London Office

Port of Glasgow

No. in Survey held at
Reg. Book.

Annan

Date, First Survey 20:4:38 Last Survey 27-10-1938

(Number of Visits 25)

Gross

Tons

Net

Master

Built at Hongkong

By whom built Hongkong & Whampoa Dock Co

When built

Boilers made at

Annan

By whom made

Cochran & Co Annan Ltd (No 14124)

When made 1938

Owners

Burns Philp & Co Ltd

Port belonging to

VERTICAL DONKEY BOILER—

No. one

Description Cochran

Manufacturers of steel Boussett Iron Co Ltd

Made at

By whom made

When made

Where fixed

Working pressure 100

tested by hydraulic pressure to 200 Date of test 27.10.38 No. of Certificate 20294 Fire grate area 12.50/4 Description of safety valves Enclosed spring

No. of safety valves 2 Area of each 3.14" Pressure to which they are adjusted If fitted with easing gear yes If steam from main boilers can

enter the donkey boiler Diameter of donkey boiler 5'-0" Length 11'-3" Material of shell plates S Thickness 13" 15" 32 32

Range of tensile strength 28-32 tons Description of riveting long. seams WR lap Diameter of rivet holes 25" 32 Whether punched or

drilled drilled Pitch of rivets 2'-6" 2'-6" 2'-4" Lap of plating 3 7/8" Per centage of strength of joint Rivets 74/13 Working pressure of shell by

rules 119 Thickness of shell crown plates 21/32 & 3/8" Radius of do. 2'-6" No. of stays to do. Diameter of stays Diameter of

furnace—Top Bottom 4'-3" Length of furnace Thickness of furnace side plates 1/2" Description of joint seamless Working

pressure of furnace by rules 162 Thickness of Ogee ring 21/32 Working pressure of Ogee ring by rules 103 Thickness of furnace

crown plates 1/2" Radius of do. 2'-1 1/2" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake

plates 9/16" Thickness of tube plates front 3/32 back 1/32 Mean pitch of stay tubes in nest 9.43" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F105. B112 Tubes: Material Steel

External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1/32 plain 10/32 No. of threads per inch 9 Pitch of tubes 3 7/8" x 4"

Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating

ring 6 x 5/8" No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 3 11/16

FOR COCHRAN & CO. ANNAN, LTD.

The foregoing is a correct description.

E. A. R. x

Manufacturer.

Dates of Survey while building

During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits

1938 Apr: 20-29 May: 6-10-19-23 June: 2-9-15-20 July: 7 Drawing No. 23716

13 Aug: 4-11-19-25 Sep: 1-8-16-23-30 Oct: 4-13-20-27

25

Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good.

The boiler has been constructed under special survey.

To the order of Messrs Fraser & Chalmers, Leith Kent for a vessel being built for Messrs Burns Philp & Co Ltd at the Hongkong & Whampoa Dock Co Hongkong

Jrb
29/10/38

Survey Fee ... £ 4 : 4 : }

When applied for 19

Travelling Expenses (if any) £ : : }

When received 19

MONTHLY ACCOUNT

Committee's Minute

GLASGOW 1-NOV 1938

Assigned

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 1 SEP 1939

Lloyd's Register Foundation

W266-0066