

JAN 19 1939.

W1134-0137

REPORT ON BOILERS.

No. 59797

Date of writing Report 28.5.38 When handed in at Local Office 28.5.38 Received at London Office JUN -1 1938
 No. in Survey held at Annan Port of Glasgow
 Reg. Book. on the M/S "ZAANDAM" Date, First Survey 14.4.38 Last Survey 19.5.1938
 (Number of Visits 5) Tons { Gross Net
 Master Built at Schiedam By whom built Wilton Tijenoord (N° 663) When built 1938
 Boilers made at Annan By whom made Buchanan & Co Annan Ltd. B.L.R. N° 14055-6 When made 1938
 Owners Holland American Line Port belonging to

VERTICAL DONKEY BOILER— No. two Description Buchanan Manufacturers of steel Schilles Ltd.
 Made at By whom made B.L.R. N° 14055-19-5-38 When made 20191 Where fixed Working pressure 100 lb.
 tested by hydraulic pressure to 200 Date of test 20191 Fire grate area 18.70' Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 3.140 Pressure to which they are adjusted 100 lb. Thickens washers. Port 12 1/2 in. Stalk 18 in.
 enter the donkey boiler ✓ Diameter of donkey boiler 6'-0" Length 14'-0" Material of shell plates steel Thickness 19" 1/2"
 Range of tensile strength 2832 lbs Description of riveting long. seams WVR Diameter of rivet holes 27" 32 Whether punched or
 drilled Pitch of rivets 2.66" 2.69" 2.84" Lap of plating 4 1/4" Per centage of strength of joint Rivets 64-5 Working pressure of shell by
 rules 121 Thickness of shell crown plates 15" 13" 16" Radius of do. 3'-0" No. of stays to do. - Diameter of stays - Diameter of
 furnace—Top - Bottom 5'-0" Length of furnace - Thickness of furnace side plate 1/2" Description of joint Seamless Working
 pressure of furnace by rules 137 Thickness of Ogee ring 13/16" Working pressure of Ogee ring by rules 101 Thickness of furnace
 crown plates 1/2" Radius of do. 2'-6" Stayed by Hemisphere Diameter of uptake 15" x 18" Thickness of uptake
 plates 9/16" Thickness of tube plates front 7/16" back 1/16" Mean pitch of stay tubes in nest 10.968 Pitch in outer vertical rows 7 1/2"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules 1108 8108 Tubes: Material Iron
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 1/2" plain 11/16" No. of threads per inch 9 Pitch of tubes 3 9/16" x 3 3/4"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16 x 12 Section of compensating
 ring 6" x 27" 32 No. of rivets and diameter of rivet holes 36 @ 27" 32 Outer row pitch at ends 3 1/16"

FOR COCHRAN & CO. ANNAN LTD.
The foregoing is a correct description,

E. A. Rex.

Manufacturer.

WORKS MANAGER

Dates of Survey while building
 During progress of work in shops - 1938 Apr. 14. 29 May. 6. 10. 19
 During erection on board vessel - -
 Total No. of visits 5

Drawing No. 23373

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 boilers have been constructed under special survey. They will be sent to Holland to be fitted in the vessel.

Survey Fee ... £ 8 : 8 : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

S. L. Davis.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 31 MAY 1938

TUE 24 JAN 1939

Assigned TRANSMIT TO LONDON

See Rot. J.C. 27/39

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Foundation