

REPORT ON BOILERS.

No. 54086

27 DEC 1933

Date of writing Report 21-12-1933 When handed in at Local Office 25-12-1933 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 10-11-33 Last Survey 20-12-1933
 Reg. Book TARONGA (Number of Visits 7) Tons Gross
 Master Odense S. S. No. 60 When built 1933
 Boilers made at By whom made When made By whom built
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 12672 Description Cochran Manufacturers of steel Steel Co. of S. Land
 Made at Annan By whom made Cochran & Co. Annan When made 1933 Where fixed ✓ Working pressure 100
 tested by hydraulic pressure to 200 Date of test 20-12-33 No. of Certificate 19312 Fire grate area ✓ Description of safety valves ✓
 No. of safety valves ✓ Area of each ✓ Pressure to which they are adjusted ✓ If fitted with casing gear ✓ If steam from main boilers can enter the donkey boiler ✓
 Diameter of donkey boiler 5'-6" Length 14'-6" Material of shell plates 8 Thickness 9/16" - 7/16"
 Range of tensile strength 28-32 Description of riveting long. seams J.R.L. Diameter of rivet holes 25/32" Whether punched or drilled drilled
 Pitch of rivets 2'-5"-2'-6"-2'-6" Lap of plating 3 7/8" Per centage of strength of joint 70.6 Working pressure of shell by rules 117
 Thickness of shell crown plates 13/32" - 1/2" Radius of do. 2'-9" No. of stays to do. none Diameter of stays ✓ Diameter of furnace—Top Hemispherical Bottom 4'-9" Length of furnace ✓ Thickness of furnace side plates ✓ Description of joint none Working pressure of furnace by rules 144.8
 Thickness of Ogee ring 1 1/16" Working pressure of Ogee ring by rules 104 Thickness of furnace crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by Hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates 13/16" Mean pitch of stay tubes in nest 6 10/16", 0.7-5" Pitch in outer vertical rows 7 1/2" - 4 3/4"
 Diameter of tube holes FRONT 0 1 1/2" BACK 0 1 1/2" Working pressure of tube plates by rules D.F. 104 B. 133 Tubes: Material Steel
0 1 1/2" 0 1 1/2" 0 1 1/2" 0 1 1/2" 0 1 1/2" 0 1 1/2" 0 1 1/2" 0 1 1/2"
 External diameter 0 1 1/2" Thickness 0 1 1/2" No. of threads per inch 9 Pitch of tubes 0.23" x 2.32", 0.3 3/4" x 3 1/2"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12 Section of compensating ring 28 x 24 x 1/16" No. of rivets and diameter of rivet holes 36 - 25/32" Outer row pitch at ends 3 5/8"

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

W. J. J. Manufacturer.
 GENERAL WORKS MANAGER

Drawing No. E 30743

Dates of Survey while building
 During progress of work in shops 1933 Nov. 10-17 & Dec. 1-8-12-20
 During erection on board vessel - - -
 Total No. of visits 7

Is the approved plan of boiler forwarded herewith 70

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is for Odense Staalskibsvaerk, Odense

Survey Fee ... £ 44 : 4 : ✓
 Travelling Expenses (if any) £ : : ✓

When applied for 19
 When received 19

MONTHLY ACCOUNT

Jas. Cairns
 Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 12 JUN 1934

TUE. 24 JUL 1934

003217-003222-0143

0145 2 1/2

Committee's Minute

Assigned

Not for Classing Committee

See Chp 2.6. 934 6

Lloyd's Register

Foundation