

17 OCT 1928

## REPORT ON BOILERS.

No. 48193

Received at London Office 11 JUL 1928

Date of writing Report

19

When handed in at Local Office

7-7-1928

Port of Glasgow

No. in Survey held at

Annan

Date, First Survey 1-6-28

Last Survey

6/7/1928

No. in Book

on the

BOILER No 10785 MOTOR VESSEL "WINTON"

(Number of Visits 4)

Tons

Gross

Net

Boiler

Built at

Port Glasgow

By whom built Messrs W. Hamilton &amp; Co. Ltd.

When built

1928

Boilers made at

Annan

By whom made

Messrs Cochran &amp; Co. Annan Ltd

When made

1928

Boilers

The Avenue Shipping Company, Limited.

Port belonging to

London

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Colville & Sons, Ltd.  
 Made at Annan By whom made Cochran & Co. Annan Ltd When made Where fixed Working pressure 100 lb  
 Tested by hydraulic pressure to 200 Date of test 6/7/28 No. of Certificate 17960 Fire grate area 5.75 sq ft Description of safety valves Enclad Spring  
 No. of safety valves 2 Area of each 1.767 Pressure to which they are adjusted If fitted with easing gear Yes If steam from main boilers can  
 Enter the donkey boiler No Diameter of donkey boiler 3'-3" Length 9'-0" Material of shell plates Steel Thickness 3/8"  
 Range of tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 2 3/32" Whether punched or  
 Drilled Pitch of rivets 2.167 2.406 2.221 Lap of plating 3 3/4" Per centage of strength of joint Rivets 80% Working pressure of shell by  
 Rules 165 lbs Thickness of shell crown plates 15/32" Radius of do. 2'-11 1/8" No. of stays to do. Hemisphere Diameter of stays 1" Diameter of  
 Furnace—Top 2'-7" Bottom 2'-9 1/2" Length of furnace 2'-11 3/4" Thickness of furnace side plates 7/16" Description of joint Electrically welded Working  
 Pressure of furnace by rules 180.5" Thickness of Ogee ring 1720" Working pressure of Ogee ring by rules Thickness of furnace  
 Crown plates 1/2" Radius of do. 17 1/2" Stayed by Hemisphere Diameter of uptake 7 1/2" x 11 1/2" Thickness of uptake  
 Plates 7/16" Thickness of tube plates front 1/2" back 1/2" Mean pitch of stay tubes in nest 8.59" Pitch in outer vertical rows 8 1/2"  
 Diameter of tube holes FRONT stay 2 11/16" BACK stay 2 1/2" Working pressure of tube plates by rules F. 135.0 lbs Tubes: Material Wrought iron  
 External diameter stay 2 1/2" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 4 1/4" x 3 13/16"  
 Working pressure by rules 125 lbs Manhole compensation: Size of opening in shell plate 14" x 10" Section of compensating  
 ring 4" x 23/32" No. of rivets and diameter of rivet holes 32 # 23/32" Outer row pitch at ends 3 1/2"

The foregoing is a correct description,

For COCHRAN &amp; CO., ANNAN, LIMITED

Manufacturer.

Drawing No. 16395

Dates of Survey while building  
 During progress of work in shops - 1928 Jun 1-20-27 July 6  
 During erection on board vessel - -  
 Total No. of visits 4

Copy of  
 Is the approved plan of boiler forwarded herewith Yes

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

This boiler has been built under survey in accordance with the Rules and approved plan. Materials and workmanship good. This boiler is to the order of Messrs J. G. Kincaid & Co. Greenock and intended for their Eng No. K 304

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

When applied for 19  
 When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 10 JUL 1928  
 Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
 Foundation

W663-0170