SUNDERLAND RPT. No. 28075

t. 5b.

REPORT ON BOILERS.

No. 39647.

Received at London Office WED. FEB. 18. 1920

Date of writing Report 16th Feby 1920. When handed in at Local Office 16-2-1920 Port of Glasgow Rd April 14. 1921

No. in Reg. Book. Survey held at Annan. Date, First Survey 20-6-19. Last Survey 13th Feby 1920. (Number of Visits 15.)

on the Donkey Boiler No 8106. S.S. TIDAL. Tons Gross / Net

Master Built at Lowestoft By whom built Messrs. Colby Bros. Ld. When built 1921

Boilers made at Annan. By whom made Cochran & Co. Annan Ltd When made 1920

Owners Port belonging to

VERTICAL DONKEY BOILER— No. 8106 Description Cochran Manufacturers of steel Stewarts & Lloyds

Made at Annan By whom made Cochran & Co When made 1920. Where fixed Stokehold Working pressure 100.

tested by hydraulic pressure to 200 Date of test 13/2/20 No. of Certificate 15093 Fire grate area 125 □" Description of safety valves Spring loaded

No. of safety valves One Area of each 7.068 □" Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can

enter the donkey boiler No Dia. of donkey boiler 5'-0" Length 11'-3" Material of shell plates S. Thickness 13/32" 15/32" Range of tensile

strength 28/32 Descrip. of riveting long. seams Lap D.R. Dia. of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.4125 ins 2.608 2.61"

Lap of plating 3 7/8" Per centage of strength of joint Rivets 76.8 Plates 67.7 Working pressure of shell by rules 104 Thickness of shell crown plates 11/64" 3/8"

Radius of do. 30 ins No. of Stays to do. None Dia. of stays ✓ Diameter of furnace Top Radius Bottom 51 ins Length of furnace 35½ ins

Thickness of furnace plates ½". 11/64" Description of joint Riveted Ring Working pressure of furnace by rules 100 Thickness of furnace crown

plates ½" Radius of do. 25½ ins Stayed by Hemisphere Diameter of uptake 13"x19½" Thickness of uptake plates ½"

Thickness of ~~water~~ tube plates :- T. 21/32 B. 17/32

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

G. Walley.

Dates of Survey while building — During progress of work in shops: 1919. June 20. 27. July 4. 11. Aug 8. 15. Sept 12. 18. Nov 14. 21 Dec 19. During erection on board vessel: 1920. Jan 16. 22. Feby 6. 13. Total No. of visits 15. Feb 1921. Mar 9. 14. 16. 23 (4)

Drawing No 8918 ✓

Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under special Survey.
The workmanship & materials are good.
The boiler is to the order of Messrs McCol Pollock Sunderland.

Survey request form No C1633 attached

SUNDERLAND. This donkey boiler has been satisfactorily fixed in the vessel and its safety valve adjusted under. Least distance between boiler & bunkers 18"

Survey Fee ... ... £ 2 : 2 :
Travelling Expenses (if any) £ : :

When applied for, ... 19
When received, ... 19

MONTHLY ACCOUNT.

Peter McGregor. & Ed. H. Hutter.
Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 14 FEB 1920 TUE. MAY. 3 1921

Assigned TRANSMIT TO LONDON

[1m,7,17—Copyable Ink.] (The Surveyors are requested not to write on or below the space for Committee's Minute.) Certificate (if required) to be sent

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