

# REPORT ON BOILERS.

Abn. Rpt. No. **No. 3845**  
WED. JAN. 15. 1919.

Received at London Office

Date of writing Report **28 Dec 1918** When handed in at Local Office **26.4.1919** Port of **Glasgow**  
 No. in Survey held at **Glasgow** Date, First Survey **7th March 1918** Last Survey **24th Dec 1918**  
 Reg. Book. on the **main boiler for the Drifter "Starlight"** (Number of Visits **33**) Tons  Gross  Net  
 Master **Banff** Built at **Banff** By whom built **Stevenson + Asher (No 39)** When built **1919** 1918  
 Engines made at **Aberdeen** By whom made **D + R. B. Scott No 587**  
 Boilers made at **Glasgow** By whom made **A + W. Dalglisk (No 736)** When made **1918**  
 Registered Horse Power Owners **The Admiralty** Port belonging to

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel **Stewart + Lloyds Ltd**

(Letter for record **S**) Total Heating Surface of Boilers **8145** Is forced draft fitted  No. and Description of

Boilers **One S.E. Marine** Working Pressure **180** Tested by hydraulic pressure to **360** Date of test **24.12.18**

No. of Certificate **14572** Can each boiler be worked separately  Area of fire grate in each boiler **30.5** No. and Description of

safety valves to each boiler **Two spring loaded** Area of each valve **3.97** Pressure to which they are adjusted **185 lbs**

Are they fitted with easing gear  In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork **about 4"** Inside dia. of boilers **10'0"** Length **9'6"**

Material of shell plates **Steel** Thickness **27/32** Range of tensile strength **28 to 32** Are the shell plates welded or flanged

Descrip. of riveting: cir. seams **D.R.LAP.** long. seams **T.R.D.B.S.** Diameter of rivet holes in long. seams **15/16** Pitch of rivets **7"**

Gap of plates or width of butt straps **13 3/4** Per centages of strength of longitudinal joint rivets **86.9** Working pressure of shell by

rules **182** Size of manhole in shell **16" x 12"** Size of compensating ring **24" x 28" x 27/32** No. and Description of Furnaces in each

boiler **2 Plain** Material **steel** Outside diameter **38"** Length of plain part **72 1/2"** Thickness of plates **23/32**

Description of longitudinal joint **weld** No. of strengthening rings **one** Working pressure of furnace by the rules **188** Combustion chamber

plates: Material **steel** Thickness: Sides **9/16** Back **9/16** Top **9/16** Bottom **9/16** Pitch of stays to ditto: Sides **8" x 7 1/4"** Back **8" x 7 1/2"**

Top **8" x 7"** If stays are fitted with nuts or riveted heads **nuts** Working pressure by rules **182** Material of stays **steel** Diameter at

smallest part **7.5"** Area supported by each stay **60"** Working pressure by rules **200** End plates in steam space: Material **steel** Thickness **7/8**

Pitch of stays **14" x 14"** How are stays secured **D.N. & W.** Working pressure by rules **185** Material of stays **steel** Diameter at smallest part **3.43"**

Area supported by each stay **196"** Working pressure by rules **182** Material of Front plates at bottom **steel** Thickness **7/8** Material of

Lower back plate **steel** Thickness **7/8** Greatest pitch of stays **13 1/4"** Working pressure of plate by rules **230** Diameter of tubes **3 1/4"**

Pitch of tubes **4 3/8" x 4 1/4"** Material of tube plates **steel** Thickness: Front **7/8** Back **21/32** Mean pitch of stays **8 5/8"** Pitch across wide

water spaces **13 1/4"** Working pressures by rules **310** Girders to Chamber tops: Material **steel** Depth and thickness of

girder at centre **8" x 9/16 Double** Length as per rule **28 1/4"** Distance apart **7"** Number and pitch of Stays in each **Two @ 8"**

Working pressure by rules **191** Superheater or Steam chest: **None** Can the superheater be shut off and the boiler worked

separately. Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Survey request form **No 2069** attached The foregoing is a correct description, **A. W. Dalglisk** Manufacturer's

Dates of Survey **1918** During progress of **13.19.21.26. Apr 5.11.15.17.23.30. May 4.16.** Is the approved plan of boiler forwarded herewith

while building **24.28. June 3.12.21. July 1.8.29.31. Aug. 28. Sept 9.** Total No. of visits **33**

During erection on board vessel **19.23. Oct. 25. Nov. 6. 22. 26. Dec. 6. 12. 24.**

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

The material + workmanship is good. The boiler has been built under special survey. It has been forwarded to Aberdeen + will be fitted on board the Admiralty Drifter, being built by Messrs Stevenson + Asher, Banff. Their no 39. Boiler now fitted in the above vessel for recommendation of class see Dundee F.E.Rpt

Survey Fee **£ 4 : 10 :** When applied for, **191** **No 8120.**

Travelling Expenses (if any) **£ :** When received, **191** **H. Wilson**

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **GLASGOW 14 JAN 1919** TUE. - 4 MAR. 1919

Assigned TRANSMIT TO LONDON

