

REPORT ON BOILERS.

No. 49341

Received at London Office

19 JUN 1929

Writing Report 19 When handed in at Local Office 17. 1929 Port of Glasgow
 Survey held at Annan & Kiel. Date, First Survey 30.5.29 Last Survey 11th June 1929
 On the Boiler No. 11204, Sir James Clark Ross (Number of Visits 3-6) (Gross 8224)
 Built at Belfast By whom built Harland & Wolff Ltd When built 1905/8
 Made at Glasgow By whom made Messrs Cochran & Co Annan Ltd When made 1929
 Port belonging to Sandefford

TICAL DONKEY BOILER— No. One Description Vertical ✓ Manufacturers of steel D. Colvill & Sons
 At Annan By whom made Cochran & Co Annan When made 1929 Where fixed Galley space forward Working pressure 125 lbs ✓
 Hydraulic pressure to 238 lbs Date of test 11-6-29 No. of Certificate 18333 Fire grate area 41 sq Description of safety valves Enclosed spring
 safety valves 2 Area of each 7.06 sq Pressure to which they are adjusted _____ If fitted with easing gear Yes If steam from main boilers can
 be donkey boiler No Diameter of donkey boiler 8'-6" Length 19'-3" Material of shell plates steel Thickness 3/32 7/8 2 3/32
 of tensile strength 28-32 tons Description of riveting long. seams D.R. Lap ✓ Diameter of rivet holes 1 1/8" Whether punched or
drilled Pitch of rivets 3 3/8, 3 2/4, 3 4/89" Lap of plating 5 3/8" Per centage of strength of joint Rivets 65/1 Working pressure of shell by
129.5 lbs Thickness of shell crown plates 1 5/32" Radius of do. 4'-3" No. of stays to do. ✓ Diameter of stays ✓ Diameter of
 e—Top ✓ Bottom 7'-6" Length of furnace 4'-6 1/2" Thickness of furnace side plates ✓ Description of joint ✓ Working
 re of furnace by rules 140.6 lbs Thickness of Ogee ring 1 1/8" Working pressure of Ogee ring by rules 131.8 lbs Thickness of furnace
 plates 3/4" Radius of do. 3'-9" Stayed by Hemispherical Diameter of uptake 18" x 28 1/2" Thickness of uptake
9/16" ✓ Thickness of tube plates front 1 1/32" Mean pitch of stay tubes in nest 11-16" Pitch in outer vertical rows 9.208"
 ter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules R 127.1 lbs Tubes: Material Woot iron
 al diameter stay 2 1/2" plain 2 1/16" BACK plain 2 1/2" Thickness stay 1 1/32" plain 1 1/32" No. of threads per inch 9 ✓ Pitch of tubes 3 9/16" x 4'-6 1/4"
 ng pressure by rules 125 lbs Manhole compensation: Size of opening in shell plate 12" x 16" Section of compensating
6" x 1 1/32" No. of rivets and diameter of rivet holes 36 off 1 1/8" ✓ Outer row pitch at ends 3 7/8" ✓

The foregoing is a correct description.

For COCHRAN & CO. ANNAN, LIMITED

H.C. Woodham

Manufacturer.

During progress of work in shops— 1929 May 30 June 6 11
 During erection on board vessel— 23/7-26/7/31/7-5/8-7/8/9/8/29
 Total No. of visits 3 4 6

Drawing No. 17213

Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under survey in accordance with the Rules and approved plan. The materials and workmanship are good. This boiler is to the order Messrs Arnesen Christensen & Smith Ltd. (New) and intended for Whaler S.S. "Sir James Clark Ross"

This Donkey Boiler has been properly fitted on board and was found to be tight and sound under steam. It's safety valves have been adjusted to 125 lbs per sq. inch. In my opinion it is eligible to be classed in the Society's Register Book and to have record "Donkey Boiler pressure 125 lbs."

Hamburg 18th August 1929.

Friedrich G. H.

Survey Fee ... £ 4-4-0
 Travelling Expenses (if any) £ :

When applied for 19
 When received 19

MONTHLY ACCOUNT

W.M.

E. S. Murdoch

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW
 Signed TRANSMIT TO LONDON

18 JUN 1929

FRI. 13 SEP 1929

FRI. 25 JUL 1930

Lloyd's Register Foundation

W133-0191