

4 SEP 1928

# REPORT ON BOILERS.

No. 47918

2 MAY 1948

Date of writing Report 28<sup>th</sup> April 1928 When handed in at Local Office 28<sup>th</sup> April 1928 Port of Glasgow. Received at London Office 28<sup>th</sup> April 1928  
 No. in Survey held at Annan Date, First Survey 10.2.28 Last Survey 27<sup>th</sup> April 1928  
 eg. Book. on the BOILER No. 10184 for T.S.V. 'KARAMEA'. (Number of Visits 7) Tons { Gross }  
 Master - Built at Glasgow By whom built The Fairfield S.E.C. Co. Tons { Net }  
 Owners made at Annan By whom made Messrs. Cochran & Co. Annan Ltd. When built 1928. 8  
 Owners Shaw Smith and Allison & Co. Ltd. When made 1928  
 Port belonging to Southampton.

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 1928 Where fixed  
Tested by hydraulic pressure to 200 lb. Date of test 27-4-28 No. of Certificate 17880 Fire grate area 16.75 sq. ft. Working pressure 100 lb.  
No. of safety valves 2 Area of each 3 1/4 sq. in. Pressure to which they are adjusted  
Enter the donkey boiler No Diameter of donkey boiler 5'-6" Length 14'-0" Material of shell plates Steel Thickness 7/16" 1/2"  
Range of tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 25/32" Whether punched or  
Filled drilled Pitch of rivets 2.5", 2.554", 2.697" Lap of plating 3 7/8" Per centage of strength of joint Rivets 66.6%  
Weight 117 lbs. Thickness of shell crown plates 1 1/16" 13/32" Radius of do. 2'-9" No. of stays to do. Hemisphere Diameter of stays ✓ Diameter of  
Manifold—Top Hemisphere Bottom 4'-9" Length of furnace 3' 3 3/4" Thickness of furnace side plates ✓ Description of joint Hemisphere Working  
Pressure of furnace by rules 144.8 lb. Thickness of Ogee ring 1 1/16" Working pressure of Ogee ring by rules 104 lb. Thickness of furnace  
Side plates 1/2" Radius of do. 2'-4 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake  
Side plates 1/2" Thickness of tube plates front 23/32" back 19/32" Mean pitch of stay tubes in nest 10 1/2" Pitch in outer vertical rows 8"  
Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F 104.3 lb.  
External diameter stay 2 1/2" plain 2 9/16" BACK plain 2 1/2" Tubes: Material Wrought iron  
Working pressure by rules 125 lb. Thickness stay 1 1/32" plain 1 1/16" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"  
Manhole compensation; Size of opening in shell plate 6" x 1 1/16" No. of rivets and diameter of rivet holes 36 25/32" Outer row pitch at ends 3 3/4"

*The foregoing is a correct description,*

*Walter Deatley* Manufacturer.  
Drawing No. *15737* Works Manager

tes	{	During progress of work in shops - -	{	<u>1928</u>	Feb 10-16-Mar. 30 Apr. 3-19-20-27
crey					
ile	{	During erection on board vessel - -	{		
ling					
	{	Total No. of visits	{	7	

Drawing No. 15737

Is the <sup>Copy</sup> 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 workmanship and materials are good. This boiler is to the order Messrs Fairfield, S. B. Co and intended for their No. 626. M.V. "KARAMEA".

Survey Fee ... .. £ 4 4 0

Travelling Expenses (if any) £ : :

When applied for \_\_\_\_\_ 19  
When received \_\_\_\_\_ 19

MONTHLY ACCOUNT

Applied for	19
Received	19

Committee's Minute **GLASGOW 1- MAY 1928**  
Signed **TRANSMIT TO LONDON**

G. E. Murdoch, © 202  
Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 4 SEP 1928

003013-003017-0114

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40726 Register  
Foundation