



Working pressure by Rules **231**. Are the stays drilled at the outer ends **No.** Margin stays: Diameter { At turned off part,  $1\frac{1}{8}$  or  $1\frac{1}{8} + 2\frac{1}{8}$  Over threads }  
 No. of threads per inch **9**. Area supported by each stay **84"** Working pressure by Rules **245**.  
**Tubes:** Material **lap welded iron** external diameter { Plain }  $3\frac{1}{2}$  Thickness {  $3\frac{1}{16}$ ,  $3\frac{1}{8}$ ,  $3\frac{1}{4}$  } No. of threads per inch **9**.  
 Pitch of tubes  $35" \times 8\frac{5}{8}"$  Working pressure by Rules **230**. **Manhole compensation:** Size of opening in shell plate  $20\frac{1}{2} \times 16\frac{1}{2}$  Section of compensating ring  $28 \times 1\frac{1}{4}$  No. of rivets and diameter of rivet holes **36 @  $1\frac{1}{32}$**   
 Outer row rivet pitch at ends  $10\frac{1}{2}$  Depth of flange if manhole flanged  $3\frac{1}{8}$  **Steam Dome:** Material  
 Tensile strength Thickness of shell Description of longitudinal joint  
 Diameter of rivet holes Pitch of rivets Percentage of strength of joint { Plate Rivets }  
 Internal diameter Working pressure by Rules Thickness of crown No. and diameter of stays Inner radius of crown Working pressure by Rules  
 How connected to shell Size of doubling plate under dome Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell

**Type of Superheater** Manufacturers of { Tubes Steel castings } Internal diameter and thickness of tubes  
 Number of elements Material of tubes Thickness Can the superheater be shut off and the boiler be worked separately  
 Material of headers Tensile strength Thickness  
 Is a safety valve fitted to every part of the superheater which can be shut off from the boiler  
 Area of each safety valve Are the safety valves fitted with casing gear Working pressure as per Rules  
 Pressure to which the safety valves are adjusted Hydraulic test pressure tubes, castings and after assembly in place Are drain cocks or valves fitted to free the superheater from water where necessary

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with  
**ALEXANDER STEPHEN & SONS, LIMITED.** The foregoing is a correct description, Manufacture  
*Alex. S. Macfarlane* Director

Dates of Survey { During progress of work in shops - - } Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)  
 while building { During erection on board vessel - - - } **SEE ACCOMPANYING MACHINERY REPORT.** Total No. of visits **14 8**

Is this Boiler a duplicate of a previous case **Yes**. If so, state Vessel's name and Report No. **1/3 "Corfu"**

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
 These Boilers have been built under Special Survey and in accordance with the Rules. The materials & workmanship are good. They have been specifically secured in position on board. The Safety valves have been adjusted and the valves examined under steam and found in order.

*A.S.*  
2/12/31

Survey Fee ... £ **See Machinery Report** When applied for, 19  
 Travelling Expenses (if any) £ **See Machinery Report** When received, 19

*J. J. ...*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 8 - DEC 1931**

Assigned **SEE ACCOMPANYING MACHINERY REPORT.**

