



Working pressure by Rules  $15\frac{7}{8}$  Are the stays drilled at the outer ends *No* Margin stays: Diameter { At turned off part,  $1\frac{7}{8}$ " or Over threads  $1\frac{7}{8}$ "  
No. of threads per inch *9* Area supported by each stay  $53960$  Working pressure by Rules  $17\frac{5}{8}$   
Tubes: Material  *mild steel* External diameter { Plain  $1\frac{3}{4}$ " Stay  $1\frac{3}{4}$ " Thickness  $0.16$  No. of threads per inch *9*  
Pitch of tubes  $95 \times 95$  Working pressure by Rules  $19\frac{5}{8}$  Manhole compensation: Size of opening in  
shell plate  $434 \times 534$  Section of compensating ring  $750 \times 850$  No. of rivets and diameter of rivet holes  $502 \times 16.5$   
Outer row rivet pitch at ends  $176$  Depth of flange if manhole flanged  $90$  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 *Schmidt* Manufacturers of { Tubes *Manfred Weiss Stahl und Metallwerke Bad*  
Steel forgings *Portion of a Lloyd's marked S. M. steel shaft*  
Steel castings  
Number of elements *40 in each boiler* Material of tubes *S. M. Steel* Internal diameter and thickness of tubes  $14$  -  $2\frac{1}{2}$   
Material of headers *S. M. Steel* Tensile strength  $28-32$  ton Thickness  $45$  Can the superheater be shut off and  
the boiler be worked separately *Yes* Is a safety valve fitted to every part of the superheater which can be shut off from the boiler *Yes*  
Area of each safety valve  $1240$   $\text{in}^2 = 1256.6$   $\text{in}^2$  Are the safety valves fitted with easing gear *Yes* Working pressure as per  
Rules Pressure to which the safety valves are adjusted Hydraulic test pressure  
tubes  $30.9$   $\text{kg} \text{ cm}^2$  forgings and castings  $30.9$   $\text{kg} \text{ cm}^2$  and after assembly in place Are drain cocks of  
valves fitted to free the superheater from water where necessary *Yes*  
Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with *Yes*  
The foregoing is a correct description,  
Manufacturer

Dates of Survey { During progress of *June 10 July 3-8-14-18-29 Aug 29* Are the approved plans of boiler and superheater forwarded herewith *10-4-39*  
work in shops - *Sept 5-8-20 Oct 16 Nov 1 Dec 7* (If not state date of approval.)  
while building { During erection on *Feb 10-29 March 11* Total No. of visits *16*  
board vessel - - -

Is this Boiler a duplicate of a previous case *No* If so, state Vessel's name and Report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *These boilers have been made under Special Survey in accordance with the approved plan. Society's rules and Secretary letters. Material tested as required and workmanship good.*

*The above Boiler No 264 now installed as an Auxiliary Boiler in S.S. 'GEORGE SEDOV' 1538 tons Gross of Archangel. The Superheaters have not been fitted - the Boiler being arranged for Natural Draught. For Details of Recommendations etc Please see Antwerp Report No 25617. dated 14-11-49.*

*J. S. Martin  
Antwerp.*

Survey Fee ... *On engine report* : : When applied for, 19  
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute *FRI. 30 DEC 1949*

Assigned *See minute on Rpt 9 and 25617.*

*W. Wray*  
Engineer Surveyor to Lloyd's Register of Shipping



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Foundation