



**Crown stays:** Material  Tensile strength  Diameter  { at body of stay, or over threads...  
 No. of threads per inch  Area supported by each stay  Working pressure by rules   
**Screw stays:** Material  Tensile strength  Diameter  { at turned off part, or over threads... No. of threads per inch   
 Area supported by each stay  Working pressure by rules  Are the stays drilled at the outer ends   
**Tubes:** Material STEEL External diameter { plain 63.5 mm / stay 63.5 mm Thickness { 3 mm / 5 mm UNDER THREE  
 No. of threads per inch 19 <sup>APPROVED LONDON LETTER 9/6/27</sup> Pitch of tubes 90 x 90 mm Working pressure by rules 9 kg/cm<sup>2</sup>  
**Manhole Compensation:** Size of opening in shell plates 300 x 400 mm Section of compensating ring 54 x 17 mm No. of rivets and dia  
 of rivet holes 20 @ 16 mm DIA. Outer row rivet pitch at ends 62 mm Depth of flange if manhole flanged   
**Uptake:** External diameter  Thickness of uptake plate   
**Cross Tubes:** No.  External diameters  Thickness of plates

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with



The foregoing is a correct description, *Sherranmy*

Dates of Survey while building { During progress of work in shops - - 11/4/29, 18/6/29, 1/7/29, 3/9/29  
 { During erection on board vessel - - 23/9/29, 25/9/29, 6/1/30, 9/1/30

Is the approved plan of boiler forwarded herewith 20/12/29 (If not state date of approval.) COPY AT LONDON OFFICE  
 Total No. of visits 8

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

This boiler has been constructed under special survey in accordance with rules and approved plans. The materials and workmanship are sound and good. The boiler has been fitted on board the vessel in a satisfactory manner and examined under steam. The safety valves were examined on the 25<sup>th</sup> Sept. 1929 and on account of them not closing satisfactorily it was recommended that they be overhauled and this report was therefore held up until the vessel returned to Leningrad. The vessel returned to Leningrad early in December for repairs and to have a new Yarrow Donkey Boiler fitted, on the examination of this vertical boiler under steam for the adjusting of the safety valves several of the smoke tubes were found to be leaking, this has been caused by an accumulation of mud round the tube ends and I have recommended that the boiler be cleaned, tubes re-expanded and boiler examined under a hydro test before the safety valves be adjusted.

The Owners representative states that the vessel will return to Leningrad about the 27<sup>th</sup> Jan. when they will have this attended to, when this work has been satisfactorily carried out the vessel will in my opinion be eligible for record of N. D. B. FITTED 9-92 7/105/3.

Survey Fee ... .. R 80 :- : } When applied for, 13<sup>th</sup> JAN. 1930  
 Travelling Expenses (if any) £  : : } When received, 19

*H. M. Crick* *Attlyes*  
 Engineer Surveyor to Lloyd's Register of Shipping

TUE. 4 FEB. 1930

Committee's Minute Assigned See Sgd. Rpt 54

TUE. 25 FEB. 1930

