

Messrs. Burmeister & Wain's No. 646. Owners: Blue Star Line.  
 Dimensions: 528' x 70' x 43.37'

The Copenhagen Surveyors report that when drilling the rivet holes through the sides of the propeller bracket castings ~~saying~~ it was found that there were a number of small cavities due, it is stated by the makers, to trapped gas. The cavities occur only in way of the inner row of rivet holes, sound material being found in way of the other lines of holes. The defects have been cut away resulting in a reduction in the thickness of the sides of the castings at the edges from 2" to  $3\frac{1}{4}$ " for a breadth of about  $3\frac{1}{2}$ ". An attempt to build up the thickness by means of welding has been stopped by the Surveyors, due to evidence of local distortion. The matter is to be discussed with the Builders and Owners' representatives on Monday next, and the Surveyors submit for consideration whether the castings might be accepted with the defective material removed as above, subject to the shell plating being extended to take an additional outer row of rivets and subject to the Owners' consent being obtained.

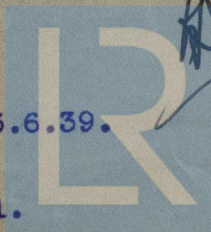
It is found that the sectional area of the arms as originally submitted was slightly in excess of the Committee's practice, but with the cavities cut away as indicated, the sectional area is slightly below this standard.

It is submitted the Surveyors be informed <sup>by Wain</sup> that provided the shell plating be extended to take an additional row of rivets as proposed, and in addition the plating attached to the spectacle frames be increased <sup>.10</sup> ~~.02~~" in thickness, the castings may be accepted, subject to the Owners' consent being obtained.

*and to the Surveyors  
 being entirely satisfied  
 of the soundness of the  
 casting*

Ltr. 21.6.  
 Ansd. 26.6.1tr. & tel.  
 1 plan

23.6.39.



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