

Swan Hunter & Wigham Richardson's  
S. No. 735.

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It is submitted Messrs. Swan, Hunter & Wigham Richardson, Lim. should be informed with reference to their letter of the 21st June, 1904, relating to the S.S. No. 735 building by them for The Cunard Co:-

The sketches forwarded by them with the said letter are returned herewith, having been amended so as to be in accordance with the scantlings previously agreed to in consultation with the Builders. The Builders should be reminded that when the question of the use of high tenacity steel in certain parts of the upper works of this vessel was discussed in this Office it was arranged that experiments and tests should be made upon the quality of steel which it was desired to use and that a decision as to whether such high tenacity steel should be used in the vessel, as well as that of the reduction of scantlings attending the use of the said material, was deferred until these experiments and tests had been made.

With reference to the small increase which has been made in the moulded depth of the vessel, it should at the same time be pointed out to the Builders that such increase is accompanied in this case with a diminution in the height of the doubled side plating above the stringer plating from 24" to 9". The Builders should also be reminded in regard to the question of intensity of stress on the upper works of the vessel that it appears their estimated maximum bending moment has been increased from 950,000 foot tons to 990,000 foot tons, and that this increase materially augments the intensity of stress per square inch of section on the upper works.

Upon these grounds it has therefore been considered necessary to amend the scantlings so as to agree with those previously determined upon and arranged.

Dr. 21.6.04  
Ans: 25, 2 plans  
P.L. to NWC 27

J.P.H.  
25/6/04



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