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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

28th July, 1933.

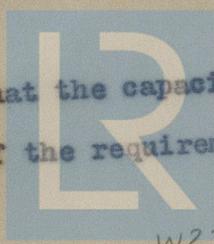
Dear Sirs,

E.

I am in receipt of your letter of the 26th instant, enclosing one from the Metropolitan Vickers Electrical Co. Ltd. regarding the exhaust turbo electric propulsion scheme for the Steamer "CITY OF VENICE", and have to say that the Firm's reply to the point raised in my letter of the 17th instant regarding the independent fusing of alarm circuits has been carefully noted.

In connexion therewith, however, I am directed to point out that the suitability of the Firm's previous practice depends upon the circumstances of each particular application, and may, in some cases, become dangerous. The resistance of the leads between the alarm devices and the fuses, the length of the run and the capacity of the heavy current fuse are determining factors. A partial short circuit in an alarm device or even a total short circuit at the alarm terminals may, if the resistance of the leads be sufficient, cause the latter to be overheated or burnt out before blowing the fuse.

I have to add that the capacity of the cable is probably much in excess of the requirements of the alarm



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S.S. "CITY OF VENICE"

circuit, and it is suggested that a fuse equal to the capacity of the cable would give all the protection required, without introducing unnecessary risk of failure of the essential circuits. It is accordingly recommended that the matter should be reviewed on these lines and particulars supplied as to the size and length of the cable in these circuits and the capacity of the fuse proposed.

I shall be glad if you will kindly re-submit the plans with your reply, as the only available set were returned with my previous letter. In such cases, plans should invariably be submitted in duplicate, in order to admit of one set being retained in the London Office for reference.

I am, Dear Sirs,

Yours faithfully,

The Surveyors,

MANCHESTER.

Secretary.



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