

UNDER DE. *Managers* *City of Venice*
s. s. "CITY OF VENICE".

IT IS SUBMITTED the Manchester Surveyors be informed that Messrs. Metropolitan Vickers Electrical Company's reply to the Secretary's letter of the 28th ultimo regarding independent fusing of alarm circuits is noted.

The circumstances now described make it clear that the alarm circuit cables are adequately protected in accordance with the Rules and subject to a satisfactory test on the fuses, described below, the arrangement shown on the plan merits approval, provided the remaining requirements of the Rules for Electric Fittings be complied with.

It should be added that it is not usual practice to connect fuses in field circuits and as the circuit will be highly inductive it is considered necessary to demonstrate that the fusible cut outs will satisfactorily rupture the circuit. A test should therefore be carried out with the field circuit connected to the fuses, the latter being mounted exactly as they will be in service, and run for one hour at normal load in order to heat up the fuse holders. A loading circuit should be connected in parallel with the field winding and at the end of the hour the load should be increased until a fuse blows. The fusing test should be made three times using the same holder at intervals not exceeding 5 minutes.

It is further submitted that as this is essentially an electrical test Mr. R. C. Clayton, Electrical Surveyor at Liverpool should be instructed to attend.

Retain Plans

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W.D.M.
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