

S.S. "AMERICAN FISHER".

Electrical Equipment of Fish Factory.

The New York Surveyors have now replied to a number of points raised in previous endorsement of 30th December 1936.

With reference to earth leakage protection it is stated the Owners raise strong objections to the provision of protection in such a form that it would interrupt supply to the fish factory machines as any stoppage would cause serious loss and damage to the raw material materials under process.

IT IS SUBMITTED the Surveyors be informed as follows:-

Earth Leakage Protection.

As an alternative to the interruption of power in the event of an earth fault, an arrangement might be accepted in which earth lamps are provided, having a centre point earthed in order ^{to} definitely limit the potential of the supply lines to earth. A fuse should be fitted in each lamp circuit but no switches should be provided in these circuits. Alternatively, a sensitive relay might be fitted between the neutral point of the alternator and the hull, arranged to give aural and visual indication in the event of accidental earth on any of the phases.

Wiring and Switchboard Diagrams.

It is noted that while these bear the stamp of the San Francisco Office they are not signed by the Surveyors as having been examined and approved. It is a requirement of the Rules that plans of the Electrical Equipment be submitted for approval and it is advisable they be submitted as early as possible so that objections, if any, may be stated before the work is too far advanced.

Test Certificates for Generator.

The test certificate supplied refers entirely to the steam turbine and contains no information with reference to the electrical generator. A certificate is required in accordance with Section 2 Clause 1 and should give the results of the temperature tests and insulation test.

Table of Conductors.

This table does not state the size of the generator cables which should be forwarded as they are not stated in the F.E. report.

Location of Distribution Panel.

It is noted this has now been removed from the Pump Room and will not be used when the vessel is operating as a tanker.

Rating of Generator.

The information supplied is still unsatisfactory as the current rating of 1900 amperes stated in the First Entry report does not agree with the K.V.A. rating specified.

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SJD

18th May, 1937.

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