

LLOYD'S REGISTER RULES FOR ELECTRIC WELDING.

After a comprehensive series of tests which were carried out in 1917-8 the Committee approved of "Tentative Regulations for the Application of Electric Arc Welding to Ship Construction".

These Regulations provided that electrodes must satisfy certain tests which were specified by the Committee, and laid down very general rules for the application of welding to ship construction. The test requirements were published as a separate sheet, and were not included in the Society's published Rules.

Vessels built in accordance with these regulations were to have the notations "Experimental" and "Electrically Welded" recorded in the Society's Register Book.

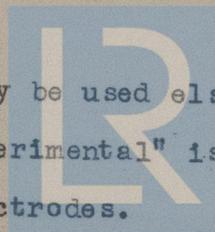
In 1932 the Rules were revised and electrodes were divided into two classes :-

- (a) Those which deposited material having a specified standard of ductility giving an elongation of not less than 18% measured on a length of 8 diameters.
- (b) Those which deposited material having properties similar to (a) but not reaching the specified ductility.

Electrodes (a) must be used in parts of vessels of primary structural importance. This means principally shell and strength decks, but also a number of other items such as margin attachments, &c.

Electrodes (b) may be used elsewhere.

The notation "Experimental" is no longer made in view of the use of class (a) electrodes.



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