

AIR MAIL.

s.s. "CONTE ROSSO".

Valves and Pipe Flanges for Loeffler Boiler.

IT IS SUBMITTED the Firm be informed, with reference to the plan of 30 mm. throttle valve approved in the Secretary's letter of the 6th instant, that the proposal to secure the cover by means of "R 5/8" studs made of Ni-Cr-Mo steel having a limiting creep stress of 22 Kgs. per square mm. at 475°C could be accepted.

Further, the proposal to make the cover of 60/75 Kgs. per square mm. cast steel is considered satisfactory provided the maximum temperature of the cover does not exceed 410°C.

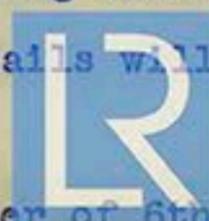
With reference to the plans of pipe flanges, it is noted that it is proposed to make the stud bolts of a chrome-nickel steel having a limiting creep stress of only 8.5 Kgs. per square mm. at 475°C., and not of a high nickel high chromium steel as concluded in the Secretary's letter of the 6th instant.

This proposal could be accepted, provided care is taken when setting up the joints to ensure that the actual load on the bolts is not in excess of the minimum necessary to keep the joint tight.

In view, however, of the probability that under working conditions the stress in the bolts will be in excess of the theoretical stress necessary to keep the joint tight, it is suggested that a material having a higher limiting creep stress should be used, and it is desired to point out that the suggestion contained in the Secretary's letter of the 6th instant that nuts should be made of a special heat resisting steel was intended to apply to all nuts and not only to the nuts holding the cover of the 30 mm. throttle valve.

The plans of valves forwarded with the Firm's letter of the 16th instant are being considered and a further communication regarding their details will be forwarded as soon as possible.

Advise Trieste & Vienna Surveyors and forward copies of 3 plans approved in Secretary's letter of 6th inst.



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S. H. [Signature]