

"CONTE ROSSO"

Loeffler Boiler Installation.

Torsion Shaft & Feed Pump Turbine being made by Messrs.  
Escher Wyss & Co., Zurich.

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Mr. Fritz Flatt, representing Messrs. Escher Wyss & Co., called at this Office to-day when the subject of the torsion shaft and the turbine casing of ~~the~~<sup>the</sup> feed pump was discussed.

Mr. Flatt stated that for trial purposes only they propose to fit a torsion shaft of 37 mm. diameter made of steel having an ultimate tensile strength of 150 to 160 Kg.mm<sup>2</sup>, with a yield of 110 kg.mm<sup>2</sup>.

After full discussion, Mr. Flatt was informed that no objection would be taken to the use of this shaft during the vessel's trials, provided the material was tested by the Society's Surveyors and found to have the properties mentioned above. It is, however, distinctly to be understood that in service a shaft of 75mm. diameter would be fitted as previously approved.

The proposal to make a feed pump turbine casing of special pearlitic cast iron was also discussed, and it was arranged that the Firm should obtain further information regarding the behaviour of similar casings which they have supplied to installations in Japan, India and Belgium.

In addition, particulars of their experience in the use of this special cast iron for steam turbine ~~guide vanes~~<sup>diaphragms</sup> would also be forwarded, together with the results of the Laboratory experiments on the material if these were still available.

IT IS SUBMITTED the Trieste and Winterthur Surveyors be informed in accordance with the foregoing remarks, and be asked to convey the same to Messrs. Cantieri Riuniti dell' Adriatico and Messrs. Escher Wyss & Co. respectively.

*[Signature]*  
13.12.35.

*Ln 18/12/35*



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