



# Urgent

## Lloyd's Register of Shipping.

Via Mazzini No. 9,

Trieste (III), 26th March 1935.

Casella postale No. 2.



Reference

Dear Sir,

We are submitting, under separate cover, for the consideration of the Committee, eight plans, in triplicate, having reference to the fitting of an additional installation consisting of a Loeffler boiler and two Escher-Wyss turbines, proposed to be carried out by Messrs. Cantieri Riuniti dell'Adriatico, Fabbrica Macchine S. Andrea, on the S.S. "CORTE ROSSO", of Messrs. Lloyd Triestino, also four pamphlets describing the working principle of the Loeffler boilers.

From conversations we had on the subject at the said engine works it appears that the Owners have already given their sanction to the fitting of this installation and Messrs. Cantieri Riuniti dell'Adriatico now desire to obtain preliminary approval of the Societies with whom the vessel is classed, i.e. Lloyd's Register and Registro Italiano. It is also stated that, in view of the fact that the steam generator will be made by Messrs. Witkowitz Bergbau und Eisenhuetten Gewerkschaft, of Mährisch Ostrau, and the turbines by Messrs. Escher Wyss Maschinenfabriken, of Zurich, detail plans will be submitted at a later date. The whole installation will then be assembled and fitted by Messrs. Cantieri Riuniti dell'Adriatico at this port on the occasion when the reduction gears will be



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renewed.

The principal parts of the installation consist of a boiler of Loeffler type and two turbines of Escher-Wyss type. The boiler is on the indirect evaporation system and is designed for a normal production of 20 tons of steam per hour at 130 atmospheres pressure with a temperature of 475°C. It is proposed to fit same in the after stokehold in place of the cylindrical single ended boiler.

The two turbines of equal power are arranged to work in series and in connection with the existing installation, they are to be fitted abaft the original reduction gears and arranged to drive through a separate reduction gear the two existing HP pinions.

The two new turbines will develop 1400 SHP each measured on the slow wheels of the new reduction gear in addition to the increase of power of the existing turbines due to the steam discharged at 14 atm. from the second Escher Wyss turbine. It is estimated the aggregate power of the modified installation will be 21000 SHP at about 95 revs. per minute, i.e. 10500 HP per shaft.

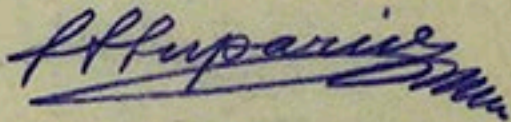
Two turbo rotary pumps, each of 28 tons per hour capacity and 135 atm. delivery pressure are provided for feeding the Loeffler boiler. One of these pumps to be considered as spare. These pumps as well as the other Loeffler auxiliaries, viz: steam circulating pump and fan are fed by low pressure steam taken from the existing plant.



The matter being rather urgent, Messrs.  
Cantieri Risaniti dell'Adriatico have requested the favour  
of an early reply.

I am, Dear Sir,

Yours faithfully,



For the Surveyors.

The Secretary,  
LONDON.



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Relayed to the Council by Council 21st Oct 12

22 MAY 1922

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The matter being rather urgent, Messrs.  
Cantieri Rianisti dell'Architettura have requested the favour  
of an early reply.

I am, Dear Sir,  
Yours faithfully,

*[Handwritten signature]*

For the Surveyors.

Referred to the Chief Engineer Surveyors

*hnd*

20 MAR 1935

REQUESTING EARLY REPLY.

The Secretary,  
LONDON.



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