

Translation.

Cantieri Riuniti dell'Adriatico
Fabbrica Macchine S. Andrea

Trieste, 23/10/1935

N° UT/12439/4

Messrs. Lloyd's Register of Shipping
TRIESTE.

"CONTE ROSSO".
Safety valves.- Loeffler Installation.

With reference to your letter of the 21st instant we have to thank you for the approval of the type of safety valve in question and to inform you that we have forwarded to Messrs. Witkowitz your requirements for eventually fitting a double number of safety valves.

We are now awaiting their reply and in the meantime beg to point out that, as your Rules contain additional requirements for superheated steam (for the evident purpose of taking into account the greater specific volume of superheated steam as compared with that of saturated steam at the same pressure), similarly, in the case of the Loeffler boiler, account should be taken of the smaller specific volume of the steam at a very high pressure as compared with steam within the limits of pressure, on which the Constant of the Rule formula has been based.

In order to have an idea of the remarkable influence of pressure on the specific volume of steam, it should be borne in mind that in the case of saturated steam at 130 atmospheres the specific volume is about one fourth of that of saturated steam at 35-40 atmospheres.

We hope that our remarks may already be sufficient to lead you to the conclusion that the number of safety valves proposed by Messrs. Witkowitz is sufficient. We shall in due course advise you of any further information we may receive from this firm on the subject.

Yours &c.
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