

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

ENCLS - Under separate cover.

7th October, 1935.

Dear Sirs,

"CONTE ROSSO"
Loeffler Escher Wyss HP Installation.

E.

I duly received your letter of the 25th ultimo enclosing plans, in triplicate, of the Escher-Wyss turbines proposed to be fitted in the above vessel, and with regard thereto I have to inform you that these plans have been examined, and the following plans will be approved, provided the steel castings be made and tested at an Approved Works and the parts be made under the usual conditions of survey and testing, viz:-

Plan No. 264142. Turbine casing for steam pump turbine.
" " 264153. M.P. turbine casing.
" " 264249. Gear casing.
" " 264318. Feed pump turbine rotor.
" " 264370. H.P. turbine rotor.
" " 264371. L.P. turbine rotor.
" " 264434. Gear wheel shaft.
" " G11826. Pinion and shaft.
" " G11827. Gear wheel.

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With reference to plans Nos. 264123 and 264124 shewing details of H.P. turbine casing, I have to say that full details of the physical and creep properties of the material of the casing and the bolts should be submitted.

With regard to plans Nos. 264311 and 264112 showing details of the turbine casing of the feed pump turbine, it is concluded that this turbine will be supplied with superheated steam at 200 lb. per sq. inch from the existing installation, and I shall be glad if you will state what material (described as G6 on the plan) will be used for its construction.

In connexion with plan No. 264484 shewing steam pump shaft and turbine rotor, the horse power and r.p.m. should be stated and the physical properties of the material should be given.

It is concluded that the spindle having diameter of 37 mm. shown on plan No. 264559 is in error, having regard to the plans of spindles of larger diameter shown on plans Nos. 264452, but I shall be glad if you will confirm this.

Plan No. 264559 could be approved in respect of hollow gear wheel shaft only.



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"CONTE ROSSO"

With reference to plan No. 264542 showing spindle inside hollow gear wheel shaft, it is considered that the diameter should be not less than 72.5 mm. instead of 55 mm., as proposed.

I shall be glad if you will ascertain and forward to this Office full particulars of the physical properties of the materials mentioned in these plans. The material for the turbine blades should also be stated.

Two sets of the plans, which have been approved, are returned herewith, and I shall be glad if you will advise the Winterthur Surveyor in the matter and forward the approved plans to him for his guidance.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

TRIESTE.



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