15th.,March,1904.

E.
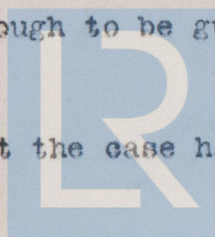
Sir,

    I have to acknowledge the due receipt of your letter of the 10th.inst.,respecting the diameter of the screw shaft of the new S.S."OSTERGOTLAND",your first entry report No.7867, and with regard thereto I have to point out that your calculation for the screw shaft diameter/which is governed by the diameter of the propeller, is in error.

    As stated in your letter the intermediate shaft in this case works out at 7.78", and with a 10'.2" diameter propeller, the factor for the screw shaft will be $(.63 + \dfrac{122 \times .03}{7.78}) = \underline{1.1004},$ (not 1.07 as given in your letter), and therefore the diameter of the screw shaft should be 7.78 × 1.1004 × 1.05 = $\underline{8.99}$".

    I may point out that the factor 1.07 is only to be used when the calculation works out to less than that figure,and as this appears to be where the error has occurred in your calculation, you will be good enough to be guided by this instruction in future cases.

    I have also to add that the case has received the

W902-0247½

COPY.

consideration of the Committee today, and under the circumstances
they have in this instance approved of the screw shaft as fitted,
and the vessel has been duly classed.

       I am, Sir,

           Your obedient Servant,

               Secretary.

M.Berendt Esq.,
    HAMBURG.

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