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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Dear Sirs,

With reference to your letter of the 5th instant respecting the machinery of the S.S. "CAXIAS", I am directed to acquaint you that with steam reciprocating engines having cylinders 616 m/m, 1010 m/m and 1680 m/m diameter by 1200 m/m stroke, working pressure 14 kgs. per sq. cm., diameter of propeller 5400 m/m and screw shaft without liners, the sizes of the shafting as shown on the plan, viz;- crank 344, thrust 344 and intermediate shaft 325 m/m diameter meet the requirements of the Rules, but that of the screw shaft, viz;- 370 m/m diameter is slightly below the size of 384 m/m required by the Rules, the shaft will, however, be accepted in this instance.

The scantlings of the boilers as shown on plan meet the requirements of the Rules in force at the time the boilers were constructed for the original working pressure of 14 kilogrammes per sq. cm. with the exception of the furnaces, the thickness of which, owing to the low minimum tensile strength of the material is slightly below the size required by the Rules.

The pumping arrangements as shown on plan are in accordance with the requirements of the Rules.

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According to your report No. 15481, it appears that the machinery survey has been held, with the exception of the examination of the M.P. and L.P. cylinders, pumps, condensers, and the valves, cocks, pipes and strainers of the pumping arrangements, and the adjustment of the safety valves, and, in the circumstances, I have to inform you that provided the remaining parts of the engines be opened out and examined and be found in good order; the pumping arrangements be as shown on plan and otherwise in accordance with the requirements of the Rules, and the safety valves of the boilers be adjusted, the machinery of this vessel will be accepted for the original working pressure of 14 kgs. per sq. cm. and a notation of IMC (with date) without the distinguishing mark Φ , be assigned.

The plans forwarded are being returned to your address today, under separate cover.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,
HAMBURG.



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Foundation

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