

in agreement with those shown on the plans.

Machinery. This vessel is propelled by twin screw driven by triple expansion steam engines, each having cylinders $28\frac{3}{4}$, $46\frac{1}{4}$ and $75\frac{1}{2}$ in. diameter with a stroke of $51\frac{3}{8}$ in. The two engines developing a total of 5800 I.H.P. Steam at a working pressure of 199 lbs. per sq. in. is generated in 5 single ended multitubular boilers, having a diameter of 16'2", a length of 12'3" and a total heating surface of 15600 Sq. ft. Howden's system of forced draught is installed. The whole of the machinery has been built and tested under the inspection of Surveyors to the Germanischer Lloyd and to their requirements. Plans of the engines, boilers and pumping arrangements have been examined and the scantlings shown thereon are such as could be accepted.

The machinery, main and auxiliary, now completely installed, has been generally examined so far as possible without opening up, the workmanship and materials appear satisfactory, sizes of shafting and other exposed parts have been verified with those shown on plans and the boilers have been examined externally and found tight under steam.

I am therefore of opinion that the hull and machinery of this vessel could be recommended to the Committee for the class 100 A - "With freeboard" with the record of L.M.C. for machinery. To entitle the vessel to the figure 1 130 fathoms of 7" steel wire should be placed on board.

Yours faithfully,

Captain J. King, O.B.E., R.D., R.N.R.
Maritime Service,
(REPARATION COMMISSION),
Bridgewater House,
St. James's,
LONDON. S.W.1.

F. R. Norton



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