

Single Screw Steamer "ALFONSO PEREZ" ex "War Chief"

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Mr. Carter of Messrs. J.G. Kincaid & Co. called at this Office on the 1st instant and stated it was proposed to remove the existing double reduction geared steam turbines and to fit a set of Standard "A" type reciprocating engines. In the event of this being done he desired to be informed whether the existing straight shafting might be used if the diameter of the H.P. cylinder and the working pressure of boilers be reduced from 27" to 25" and 200 lb. to 180 lb. per square inch, respectively.

With an H.P. cylinder of 25" diameter and working pressure of 180 lb. per square inch, the existing sizes of thrust and screw shafts are about  $1/16$ " less and that of the intermediate shaft barely  $1/8$ " less than that required by the Rules at present in force, but might be accepted in this instance.

It is submitted Messrs. J.G. Kincaid & Co. might be informed that no exception would be taken to the proposal to instal a Standard "A" type steam reciprocating engine in lieu of the existing double reduction geared steam turbine propelling machinery and that with an H.P. cylinder of 25" diameter, the existing sizes of shafting, viz- intermediate  $12.9/16$ ", thrust  $13.1/4$ " and screw shaft 14" diameter would be accepted for a working pressure of 180 lb. per square inch.

It is concluded that the diameter of the propeller will not be greater than that of the existing one, i.e. 17 feet.

Admin G.R.K. SURS.

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