

S.S. "SUNFLOWER"

Owners;    Empresa de Nav. Luzo Marroquina Ltda., Portugal.

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The Technical Representatives, Messrs. Flannery, Bagallay & Johnson, at the request of Mr. Ernst Smith, Superintendent of the Vacuum Oil Company, of which the Empresa de Nav. Luzo Marroquina Ltda. is the Portuguese branch, have called at this Office with reference to the increase of rudder.

The increased rudder was reported upon by the Society's Surveyors in July last, when it was noted that with the increases indicated in the Surveyor's report ~~that~~ the Rule grade for the size of rudder stock was lifted.

It was, however, thought that the rudder head as fitted might be accepted, it being understood that the vessel had only a sea speed of  $9\frac{1}{2}$  knots, but the Lisbon Surveyor was informed that any increases of rudder area in any vessels must be submitted to this Office before the work is undertaken.

The sketch now submitted by Messrs. Flannery, Bagallay & Johnson indicates, however, that not only has the rudder been broadened, but that this breadth has been maintained for the full depth of the rudder.

In these circumstances it is considered that the rudder head will not be large enough for the work which it may be called upon to perform, and Messrs. Flannery, Bagallay & Johnson have been advised accordingly.

They are therefore suggesting that the rudder should be somewhat reduced in size.

It is submitted the Lisbon Surveyor be informed accordingly and requested to see the local representatives of this Company, and arrange for a plan to be submitted showing the rudder exactly as fitted in the vessel, so that it can be indicated on the same the maximum area permissible with the present rudder stock. The increase appears to be about 8"



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in breadth beyond the original rudder and a ~~total~~ increase in area from 36 to 45 square feet.

BH 1.9.25

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