

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Enclosures.

1st October, 1931.

Dear Sirs,

I beg to acknowledge the receipt of your letter of the 29th ultimo enclosing a plan, in duplicate, of a balanced reaction rudder proposed for the s.s. "ALKAID" and s.s. "ALBIREO", and with regard thereto I have to state that, as pointed out to your Representative when discussing the case in this Office, the proposal differs in certain important respects from that approved in the case of the s.s. "HANS ARP" referred to by you.

In the present case only about $1\frac{1}{8}$ " of solid gudgeon material will remain around the bottom pintle, and the strength of the sternframe in way of the upper pintle will be seriously impaired by the proposed cutting away at the upper arm and by the riveting which would be required to secure the new gudgeon. Further, the thickness of the upper arm around the pintle is only $2\frac{3}{4}$ " instead of $3\text{--}3\frac{1}{16}$ " as would be required by the Society's Rules.

In these circumstances it is regretted that your proposal cannot be approved, and the plans are returned herewith.

I am, Dear Sirs,
Yours faithfully,

Messrs. Balanced Reaction
Rudder Co. Ltd.,
26, Fenchurch Street,
E.C.3.

Lloyd's Register
Foundation
Secretary.

3540-0009