



## T. S. S. "ORFORD"

Starboard H.P. casing continued:-

bolt holes & traces found on other side of holes. (Please see attached sketch). Holes were drilled at the ends of the cracks with a view to stop cracks extending

Port H.P. turbine, lower casing. One crack was found extending on starboard side from the forward flange to the fitted bolt hole. This crack can be seen in the bottom of bolt hole but does not appear to extend to the hole on the top side of flange. On the port side two small cracks were found to be running from the forward flange to the fitted bolt hole. These cracks only appear on the bottom of forward flange and do not appear to extend through the flange. Please see attached sketch.

These casings were very carefully examined and these cracks in their present condition, do not in my opinion, affect the efficiency of the casings.

The Owners have given the Chief Engineer instructions to take care in the warming up of the turbines and also in working up the turbines to full speed after a prolonged stop in port etc. The Chief Engineer has also been instructed to examine these cracks at every opportunity and to report any sign of them extending.

It is recommended that the cracks in the Starboard casing should be again examined before the end of February 1940.

J. Micholas.