

Lloyd's Register of Shipping,

201, Tower Building,

Liverpool, 3. 1st June, 1948.

RECEIVED

3 JUN 1948

ANSG

Dear Sir,

"TRESUS" ex "LAUREL HILL".

In reply to your letter dated 20th May, last regarding the above vessel, the following observations relevant to this incident are submitted for your perusal.

- (1) The "Eye-Hye" Remote Water Level Indicator was out of action owing to the lack of the special fluid necessary for charging.
- (2) The Swartout Feed Water Regulator was also out of commission due to some mechanical difficulty.

As a point of interest, the circulation in this type of boiler is such that the incoming steam and water mixture impings against the curtain baffle in the drum and is deflected downwards and in the direction of the bottom of the drum and thence upwards towards the lower water gauge connection. The velocity of this flow is such (under certain conditions of evaporation) that a false reading in the glass is possible.

If the Swartout Feed Regulator had been in action, it is unlikely that the water level in the drum would have got so low as to permit of a false reading in the water gauge to be shown.

Similarly had the "Eye-Hye" Remote Water Level Indicator been in commission, this would not have been affected to such an extent as in the case of the Drum Water Gauge.

The fitting of (1) a baffle in the way of the water gauge connection to deflect the impinging current of circulation (2) cut lightning holes in the thwartship drum baffles to improve equalisation of drum water level; (3) fit low water alarm and oil fuel shut off valve, would assist in obviating a recurrence.

Yours faithfully,

[Handwritten signature]
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TRANSMITTED TO LONDON FOR THE CONSIDERATION OF THE COMMITTEE

L.R. Watton
SECRETARY TO THE LIVERPOOL COMMITTEE

The Secretary,
LIVERPOOL.

Lloyd's Register Foundation

Ex

Referred to the Chief Engineer Surveyor.

*noted
Bell*

R.S.

also for Mr. Perris to note.

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Foundation

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