

C.S.S.

"Fort Frederica"

Messrs Colville's report of 18th June and Mr Lewis' letter of 21st July indicated that the particular piece of plate examined had a somewhat high carbon content, low manganese, and a ratio Mn/C of only 1.5. The elongation (vide Newcastle letter of 21st May) was rather low. The transition temperature indicated by Colville's impact test is about 60°C, or 140°Fah, which is "too hot to handle".

If this plate is in anyway representative of the steel in the rest of the structure, it must be regarded with suspicion.

[Signature]
13.8.48

but see conclusions 15
Colville's Report

[Signature]
18/8/48



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