

T.S.S. "CONCH"

Failure of a link of chain cable

Reports have now been received from the Superintendent of the Cradley Heath Proving House (where this cable was originally tested) and the Superintendent of the Glasgow Proving House (where the cable was retested after the failure of the link), and as there appears to be a difference of opinion between these gentlemen regarding the removal from the chain of certain alleged defective links at Glasgow, it is submitted that all the correspondence, together with Glasgow Report No. 52041, might be forwarded to Mr. Green at Netherton for his remarks, and he be asked to state whether in his opinion these links should have been allowed to remain in the cable when it was originally manufactured.

His attention should also be called to the report made by the Cradley Heath Superintendent regarding the fracture of the link which was the cause of the chain cable being lost, and also to the sketch forwarded with that report, which shows that the link sheared at both ends. The statement that the shearing of this link was probably due to the cable not straightening itself, and thereby fouling in the mouth of the chain pipe, might be pointed out to him, and also that this opinion is concurred in by the Glasgow Surveyors in their letter of 26th ultimo, and he be informed that it is difficult to understand why this link should have sheared at the ends, it being concluded that the cable was side welded, and requested to state if he can explain this.

The portions of the links forwarded to this Office by Mr. Lewis might be sent to Mr. Green.

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The Superintendent of the Glasgow Proving House might be requested to forward to Mr. Green all the defective links which were cut out of the cable, together with the broken link which was the cause of the chain cable and anchor being lost.

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It is further submitted the Glasgow Surveyors be requested to state the length of the link which broke and caused the loss of the anchor and cable, and the internal diameter of the chain pipe. With regard to their statement in their letter of the 26th ultimo regarding the link fouling in the chain pipe, and to the fact that the link sheared at the ends, they might be asked if they can explain in what manner the link could have fouled to cause it to shear in the way it did.

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It is further submitted the Glasgow Surveyors be requested to state the length of the link which broke and caused the loss of the anchor and cable, and the internal diameter of the chain pipe. With regard to their statement in their letter of the 20th ultimo regarding the link fouling in the chain pipe, and to the fact that the link sheared at the ends, they might be asked if they can explain in what manner the link could have fouled to cause it to shear in the way it did.

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**RETAIN**

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