

## WILLIAM GRAY &amp; COMPANY LIMITED

Dock Yard, West Hartlepool.

8th January, 1941.

S.S. EMPIRE STRAITFore Peak Bulkhead.

7 strakes of vertical plating to crop and part renew, raising new overlaps.  
2 Bottom thwartship plates to release and fair.  
Access plate to remove, fair and refit.  
14 Bulb angle stiffeners to remove, heat, fair and refit.  
4 Angles to division plate remove, fair and refit.  
2 Angles connecting bulkhead to shell remove, fair and refit.  
Doubling plate in way of chain locker to remove for access and refit.  
Wood ceiling at port and starboard sides to remove and relay as before.  
2 Air pipes, 1 port and 1 starboard, to remove for access and refit.

Internal.

14 bracket knees to stiffeners and deck angles to cut out, fair and retrim.  
14 Angles to deck at bracket knees to remove, 3 to renew, 11 to retrim.

Top Stringer.

Port and starboard side thwartship stringer plates to renew.  
Brackets to stiffeners at underside of stringer plates to remove, fair and refit.  
14 Angles connecting stringer to bulkhead to remove, fair and refit.  
Facing angle to stringer to remove, fair and refit.  
Angles connecting division plate remove, fair and refit.  
Stringer angle port side to crop and part renew.  
Defective rivets at stringer to cut out and renew.

Bottom Stringer.

Port and starboard side thwartship stringer plates to remove, fair and refit.  
14 Angles connecting stringer to bulkhead to remove, fair and refit.  
Brackets to stiffeners at underside of stringer to cut off and renew.  
Facing angle to stringer to remove, fair and refit.  
Angles connecting division plate to stringer to remove, fair and refit.  
Bottom plate at centre division to renew.  
The whole of rivetting at shell stringer tank top and No. 1  
Tank end to hammer test and renew as necessary.  
Cables to remove from chain locker and replace.  
Fore peak and No.1 Ballast tanks to open out and reclose after repairs.  
Fore peak tank to fill, press and test.  
Ironwork in vicinity of damage in hold to paint as before.  
Ironwork inside forepeak to coat cement wash.  
Staging at bulkhead in peak and hold to erect and remove after repairs.  
Main deck to shore from tank top before removing plating and stiffeners.  
Cement to cut out as necessary and renew.  
Iron ladder at bulkhead to remove, fair and refit.



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Foundation

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