

Nos. 829-30.

MIDSHIP SECTION.

MOULDED DIMENSIONS 375'-0" x 51'-9" x 30'-9"

SCALE 1/2" = 1 FOOT.

CLASS :- +100 A.I. LLOYDS.

RIVETING NOTES.

HEEL DOUBLE STRAPPED AND TREBLE RIVETED FOR 12L, SINGLE STRAPS AT ENDS.  
SHELL PLATING TREBLE RIVETED ALL FORE AND AFT.  
SHEER STRAKE QUADRUPLE RIVETED FOR 1/2 L TO TREBLE AT ENDS.  
STRAKE-BULKHEAD TREBLE RIVETED ALL TOWARD 7/8 L.  
UPPER DECK STRINGER QUADRUPLE RIVETED FOR 1/2 L TO TREBLE AT ENDS.  
INNER STRINGER QUADRUPLE RIVETED FOR 1/2 L TO TREBLE AT ENDS.  
PLATING DOUBLE RIVETED FOR 1/2 L TO SINGLE AT ENDS.  
BRIDGE DECK STRINGER DOUBLE RIVETED.  
PLATING SINGLE RIVETED.  
POOP AND POLE STRINGER DOUBLE RIVETED.  
PLATING SINGLE RIVETED.  
CENTRE GIRDER TREBLE RIVETED FORE AND AFT.  
TANK TOP DOUBLE RIVETED FOR 12L TO SINGLE AT ENDS (CTR STRAKE TREBLE TO DOUBLE).  
POOP, BRIDGE AND POLE SIDES DOUBLE RIVETED.  
TANK MARLIN PLATE TREBLE RIVETED FOR 12 L TO DOUBLE AT ENDS.  
WING TANK SIDES DOUBLE RIVETED.  
RIVETING IN SEAMS AS PER MIDSHIP SECTION.

RIVETING IN LONGITUDINALS ETC.	RIVETS OF RIVETS IN EACH SIDE EACH ARM OF BUTT. OF BRIDGE
BRIDGE LONGITUDINALS, RIVETS SPACED 6 DIAS. APART	6" 5"
HEEL 12 L LONG 1/2" WING TANK, RIVETS SPACED 6 DIAS. APART	6" 6"
NO 4 8 L LONG 1/2" RIVETS 5 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE & BULKHEADS, 6 DIAS. APART ELSEWHERE.	6" 6"
NO 6 LONG 1/2" RIVETS 4 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEADS, 6 DIAS. APART ELSEWHERE.	8" 7"
NO 7 LONG 1/2" RIVETS 4 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEADS, 6 DIAS. APART ELSEWHERE.	8" 7"
NO 8 LONG 1/2" RIVETS 4 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEADS, 6 DIAS. APART ELSEWHERE.	8" 8"
NO 9 8 L LONG 1/2" RIVETS 4 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEADS, 6 DIAS. APART ELSEWHERE.	8" 8"
NO 11 8 L LONG 1/2" RIVETS 4 DIAS. APART FOR 10 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEADS, 6 DIAS. APART ELSEWHERE.	6" 6"
TANK TOP LONGITUDINALS, RIVETS 5 DIAS. APART FOR 4 RIVETS EACH SIDE OF TRANSVERSE AND BULKHEAD, 7 DIAS. APART ELSEWHERE.	6" 6"
DECK LONGITUDINALS, RIVETS 6 DIAS. APART	6" 6"
WING TANK SIDE LONGITUDINALS, RIVETS 6 DIAS. APART	6" 6"
DECK TRANSVERSES (CLEAR OF TANK), RIVETS TO DECK 5 DIAS. APART	6" 6"
WING TANK TRANSVERSES, RIVETS TO SHELL, DECK AND INSIDE PLATING, TWO ROWS 5 DIAS.	

Plate longitudinals in double bottom rivets spaced 7 diass. apart

LLOYDS NUMERALS.

BREADTH MOULDED = 51.75  
DEPTH MOULDED = 30.75  
TRANSVERSE NUMERAL = 82.50  
LENGTH BETWEEN PERPS = 375'-0"  
LONGITUDINAL NUMERAL = 30937  
LENGTH ÷ DEPTH TO UPPER DECK = 12.2  
LENGTH ÷ DEPTH TO BRIDGE DECK = 9.8

EQUIPMENT. No 31726.

2 BOWERS (STOCKLESS) = 56 1/2 CWTs. EACH } 160 CWTs.  
1 BOWER (STOCKLESS) = 47 1/2  
1 STREAM ANCHOR (EX STOCK) = 15  
1 KEDGE ANCHOR (EX STOCK) = 6 1/2  
270 FATHOMS 2 1/8" STUD CHAIN CABLE = 608 - 2 - 14  
30 FATHOMS 1 3/16" STREAM CHAIN (STUD LINK).  
120 FATHOMS 4 1/2" STEEL TOWLINE  
30 FATHOMS 3" STEEL WARP  
30 FATHOMS 3" STEEL WARP  
120 FATHOMS 7" MANILLA  
120 FATHOMS 7" MANILLA  
120 FATHOMS 6" MANILLA  
120 FATHOMS 6" MANILLA

ALL PARTS OF DOUBLE BOTTOM TO BE INCREASED IN WAY OF BOILER SPACE AS PER RULE.

TWO EXTRA GIRDERS EACH SIDE OF CTR. LINE UNDER ENGINE BED PLATE.

NEWCASTLE-UPON-TYNE  
NO 187 DATE 7-5-10  
WALKER SHIPYARD



Sir W.G. Armstrong  
Whitworth & Co Ltd

S.S. 829-830

Midship Section

S.S. "HELVETIA"  
NEWCASTLE ON TYNE  
REPORT No. 60354

S.S. "KAMICOURASKA"  
NEWCASTLE-ON-TYNE.  
REPORT No 61127

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