

9. 1. 14

# No. 244.

## MIDSHIP SECTION.

SCALE  $\frac{1}{2}$  INCH TO ONE FOOT

SCANTLING NUMBERS.			
BREADTH (B)	61		
DEPTH (D)	32.75		
(B+D)	93.75	TRANSVERSE NUMBER	
LENGTH (L)	475.00		
	44531.25	LONGITUDINAL NUMBER	

PROPORTIONS			
$\frac{D}{B}$ TO UPPER DECK	14.50		
$\frac{D}{B}$ TO SHELTER DECK	11.65		
$\frac{D}{B}$	7.79		

d TO 2ND DECK	18.92		
	1.19	HALF HEIGHT OF EXCESS OF FRAME BRACKET	
	17.73	FOR FRAME	
d TO 3RD DECK	9.67		
	1.19	HALF HEIGHT OF EXCESS OF FRAME BRACKET	
	8.48	FOR FRAME	

EQUIPMENT NO.			
(B+D) x L			
DECK ERECTIONS $\{(475 \times 8) + (34.79 + 45.71) \times 7.5 + (30 \times 7.75) \times \frac{3}{4}\}$			44531.25
DECK HOUSES $\{(96 \times 7.75) + (69 \times 4) \times \frac{1}{2}\}$			510.00
TOTAL			45041.25

EQUIPMENT			
2 BOWER ANCHORS (STOCKLESS)	8 1/2 CMTS. EACH	COLLECTIVE W.T.	
1 Do. ( " )	69 1/2 " "		732 CMTS.
1 STREAM ANCHOR (ORDINARY)	23 1/2 " (EX. STOCK)		
1 KEDGE ANCHOR ( " )	11 CMTS. ( " )		
STUD LINK CHAIN CABLE	300 FMS. 2 1/2" DIA.		
STREAM STEEL WIRE	120 " 4 1/2" CR. M. Special		
TOWING " "	130 " 5 1/2" " "		
4 MANILA HAWSERS	100 FMS. EACH 8" CR. M. OR 7 1/2" SW.		
	120 " 8 1/2" " "		
	130 " 5 1/2" " "		
	120 " 5 1/2" " "		

STEM	11" x 3" ROLLED STEEL		
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STERN POST	11" x 3" CAST STEEL AS PER PLAN		
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RUDDER	SINGLE PLATE SYSTEM AS PER PLAN		
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FRAMING:-			
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SPACING 3' 6" APART FROM AFT PEAK BULKHEAD TO F.N. 129			
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24" APART IN WAY OF 3RD DECK			
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24" APART IN BOTH PEAKS			
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FRAMES IN BOTH PEAKS			
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FRAMES 8" x 3 1/2" x 48" B. ANGLE			
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INTERMEDIATE FRAME 7" x 3 1/2" x 42" ANGLE, SCARPHED			
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MAIN FRAMES IN AFT PEAK TANK 7" x 3 1/2" x 42" ANGLE TO BE DOUBLED			
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WITH BACK BAR 3 1/2" x 3 1/2" x 42" ANGLE, AND REVERSED FRAMES			
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3" x 3 1/2" x 42" ANGLE TO BE FITTED TO FORM 7" GIRDER			
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FLOOR PLATE .40"			
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FRAMES IN TUNNEL RECESS			
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MAIN FRAMES 7" x 3 1/2" x 48" ANGLE WITH REVERSED FRAMES 4" x 3 1/2" x 40"			
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ANGLE TO FORM 8" GIRDER			
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FRAMES IN WAY OF TUNNEL RECESS			
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FRAMES 11" x 3 1/2" x 58" B. ANGLE			
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INTERMEDIATE FRAME 7" x 3 1/2" x 42" B. ANGLE, SCARPHED			
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FRAMES IN DEEP TANK			
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FRAMES 9" x 3 1/2" x 50" B.A. WITH WEB FRAMES & NO. 5 SIDE STRINGERS AS PER PROFILE			
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FRAMES ABOVE DEEP TANK			
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FRAMES 9" x 3 1/2" x 54" B. ANGLE			
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INTERMEDIATE FRAME 7" x 3 1/2" x 42" B. ANGLE SCARPHED			
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FRAMES IN NO. 1 HOLD (IN WAY OF 3RD DECK)			
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FRAME 9" x 3 1/2" x 48" B. ANGLE			
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INTERMEDIATE FRAME 7" x 3 1/2" x 42" B. ANGLE SCARPHED			
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FRAMES OTHERWISE			
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FRAMES 10" x 3 1/2" x 68" BULB ANGLE			
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INTERMEDIATE FRAME 7" x 3 1/2" x 42" B. ANGLE			
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EXTENSION OF MAIN FRAMES			
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" IN WAY OF FLECK DECK, EXTEND TO FLECK & 2ND DECKS ALTERNATELY			
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" IN NO. 1 HOLD (ABFT. F.N. 150) EXTEND TO UPPER & 2ND DECKS			
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ALTERNATELY SHELTER DECK AT EVERY 4TH FRAME			
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ABOVE DEEP TANK, EXTEND TO UPPER 2ND DECKS ALTERNATELY & TO			
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SHELTER DECK AT EVERY 4TH FRAME			
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OTHERWISE TO UPPER & 2ND DECKS ALTERNATELY & TO			
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SHELTER DECK AT EVERY 4TH FRAME			
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TRANSOM PLATE .52"			
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W.T. BULKHEAD			
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F.N. 100			
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THICKNESS OF PLATE			
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AT BOTTOM			
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8 .42" 38" AT 2ND DECK	4" x 4" x 40"	5" x 5" x 50"	5" x 3" x 50" B.A.
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29 .38" 32" " "	4" x 4" x 38"	5" x 5" x 50"	
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48 .40" 38" 35PDE	4" x 4" x 38"	5" x 5" x 50"	
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64 .40" 38" 35PDE	4" x 4" x 38"	5" x 5" x 50"	
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102 .38" 32" 22PDE	4" x 4" x 38"	5" x 5" x 50"	
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113 .38" 32" " "	4" x 4" x 38"	5" x 5" x 50"	
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135 .38" 38" 38" DE	4" x 4" x 40"	5" x 5" x 50"	
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160 .40" 42" 38" DE	4" x 4" x 48"	6" x 6" x 60"	10" x 3 1/2" x 54" B.A. BEAM
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UPPER TWEEN DECK BULKHEAD (BETWEEN UPPER & 2ND DECKS)			
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PLATE UPPER HALF .26"			
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LOWER HALF .28"			
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VERTICAL STIFFENERS 5 1/2" x 3" x 40" B. ANGLE, BRACKETED AT TOP & BOTTOM			
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ALL VERTICAL STIFFENERS OF W.T. B.H. SPACED 30" EXCEPT ON COLLISION B.H.			
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& AFT PEAK TANK BULKHEADS WHERE 24" APART			
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SHAFT TUNNEL .36" IN WAY OF HATCHWAY TO BE COVERED WITH 2" OREGON PINE			
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STIFFENER 4" x 4" x 50" SPACED 4" 8" APART, EXCEPT IN WAY OF HATCHWAYS			
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WHERE 30" APART. IN DEEP TANK, PLATE .40" STIFFENER 7" x 3 1/2" x 50" A. SPACED			
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COLLISION B.H. BETWEEN UPPER & SHELTER DECK			
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PLATING .20" STIFFENER 4" x 3" x 30" ANGLES NO HORIZONTALS			
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DECK HOUSE FORE END B.H. (F.N. 100)			
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PLATE .40" WITH COAMING PLATE .44"			
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VERTICAL STIFFENERS 7" x 3 1/2" x 40" ANGLE SPACED 30" BRACKETS AT			
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TOP & BOTTOM			
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POOP FRONT B.H.			
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PLATE .40" WITH COAMING PLATE .44"			
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VERTICAL STIFFENER 7" x 3 1/2" x 40" ANGLE SPACED 30"			
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TANK TOP CEILING UNDER HATCHWAYS ONLY			
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TANK TOP PLATING:-			
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MIDDLE LINE STRAKE			
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47" x 54" FOR 1/2 L.W. 44" AT ENDS			
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.58" IN BOILER SPACE			
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BUTTS LAPPED & TREBLE RIVETED TO			
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DOUBLE AT ENDS, WHERE .48" UNDER			
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OTHER STRAKES			
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.48" FOR 1/2 L.W. 44" AT AFT END			
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.38" AT FORE END			
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.56" IN ENGINE SPACE			
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.58" IN BOILER SPACE			
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BUTTS LAPPED & DOUBLE RIVETED TO SINGLE			
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AT FORE END WHERE .42" AND UNDER			
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FLANGED BY 3 1/2" (FAYING SURFACE)			
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Manilla Man  
Rpt No. May 1005.

## FORECASTLE DECK:-

BEAMS 9 1/2" x 5 1/2" BULB ANGLE TO ALTERNATE FRAMES, BRACKET KNEE 30" x 54" (3 ROW SIZE)

STRINGER PLATE 38" x 38" BUTTS LAPPED DOUBLE RIVETED

STRINGER ANGLE 3 1/2" x 3 1/2" x 38"

DECK PLATING 2 1/2" OREGON PINE UNDER WINDLASS 3"

POOP DECK:-

BEAMS AT 4" FRAME SPACE 3 1/2" x 3 1/2" B. ANGLES WITH BEAM KNEE 27" x 54" TO ALTERNATE

FRAMES AT 4" FRAME SPACE 3 1/2" x 3 1/2" B. ANGLES WITH BEAM KNEE 27" x 54" TO ALTERNATE

STRINGER PLATE 38" x 38" BUTTS LAPPED DOUBLE RIVETED

STRINGER ANGLE 3 1/2" x 3 1/2" x 38"

TIE PLATE 10" x 38" BUTTS LAPPED &amp; DOUBLE RIVETED

DECK PLATING 3" OREGON PINE

DECK PLATING 3" OREGON PINE

DECK PLATING 3" OREGON PINE

DECK PLATING 3" OREGON PINE

DECK PLATING 3" OREGON PINE

DECK PLATING 3" OREGON PINE

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