

24.6.29

EQUIPMENT N^o.

$L \times (B+D)$	=	17591
RAISED QUARTER DECK 92'5" x 4'	=	370
POOP BRIDGE & FORECASTLE 98'5" x 5'5"	=	554
HOUSES 52'5" x 5'5"	=	194
		18712

EQUIPMENT.

2 BOWER ANCHORS	38 ³ / ₄ CWTs. EACH, STOCKLESS.
1 " "	32 ¹ / ₂ " " "
1 STREAM "	10 " " EX STOCK.
240 FATHOMS	1 ¹ / ₁₆ STUD CHAIN CABLE.
75 "	1 ¹ / ₈ STREAM CHAIN OR 4 ¹ / ₄ STEEL WIRE.
90 "	4" STEEL WIRE TOWLINE.
2 @ 90 "	2 ¹ / ₂ STEEL WIRE HANSERS.
2 @ 90 "	2 ¹ / ₄ " " WARPS.

N^o. 1415.

MIDSHIP SECTION.

SCALE 1/2" = 1 FOOT.

DIMENSIONS: - LENGTH B.P. 283'0". BREADTH MLD. 41'10". DEPTH MLD. 20'4" TO UPPER DECK.

CLASS 7 100 A.I. LLOYDS.

NUMERALS.

$L =$	283'0"
$B =$	41'10"
$D =$	20'4"
$L \times D =$	5753
$L \times (B+D) =$	17,591
L/D TO UPPER DECK =	13.92
L/D TO RAISED QUARTER DECK =	11.63
L/D TO BRIDGE DECK =	10.16
d FOR FRAMING (UPPER DECK) =	16.27
" " (R.Q. DECK) =	20.27

d TO UPPER DECK WITH NORMAL BEAM KNEE & NORMAL FRAME KNEE =	17.12
BEAM KNEE ABOVE NORMAL 2 ¹ / ₄ 3/4" FRAME " " 1 ¹ / ₂ 2 =	16.27
	16.27

BRIDGE SIDE PLATING 43'46" BUTTS TREBLE RIVETED.

POOP SIDE PLATING 32" BUTTS SINGLE RIVETED.

FORECASTLE SIDE PLATING 34" BUTTS SINGLE RIVETED.

SHEERSTRAKE 75'56" FOR 1/2 L. TO 40' IN WAY OF BRIDGE. INCREASED TO 84" AT BRIDGE FRONT. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

BRACKETS IN LIEU OF PILLARS AT HATCH SIDES, AT UPPER & R.Q. DECK WHERE SHOWN ON PROFILE.

STRAKE BELOW SHEER 75'56" FOR 1/2 L. TO 40' AT END. 52" IN WAY OF BRIDGE. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

75'52" FOR 1/2 L. TO 40' AT ENDS. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

BILGE KEEL 8'40" BULB. 3 1/2" x 3/4" 40 ANGLE.

BOTTOM SHELL 52" FOR 1/2 L. TO 40' AT ENDS. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42". THREE STRAKES NEXT KEEL TO HAVE MIDSHIP THICKNESS MAINTAINED FORWARD TO RULE POSITION OF COLLISION BULKHEAD.

KEEL PLATE 44'58" FOR 1/2 L. TO 54' AT ENDS. BUTTS TREBLE RIVETED ALL FORE & AFT.

STRINGER PLATE 67 1/2" x 68" FOR 1/2 L. TO 56'58" 6x6x57 STRINGER ANGLE 5'5" x 48" FOR 1/2 L. TO 40' 3 1/2" x 3/2" x 40' 44" (IN WAY OF HATCHES & WINCH P.)

WINCH PLATFORM BETWEEN HATCHES. PLATING 32" BEAMS 6 1/2" x 3 1/2" B.A. ON EVERY FRAME. KNEES 17 1/2" x 14" x 36" 5 3/4" RIVETS.

HATCH END BEAMS AS PER DECK PLAN.

HALF BEAMS 5'3 1/2" x 35 O.A. BEAM KNEES 30'30" x 46" THROUGHOUT. 6' 1/8" RIVETS.

LARGE BRACKETS WHERE SHOWN ON PROFILE.

SHEERSTRAKE 47 1/2" x 56" FOR 1/2 L. TO 40' INCREASED TO 73" AT BREAK. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

STRAKE BELOW SHEERSTRAKE 75'52" FOR 1/2 L. TO 40' 61" AT BREAK. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

FORGINGS. STEM BAR 7 1/8" x 2 1/8" STERN POST 8 1/4" x 5 1/2" RUDDER POST 4 1/4" x 5 1/2"

BOSS PLATES 50"

FRAMES 9'3 1/2" x 44" B.A. OR 9'3 1/2" x 41" B.A. N.B.S. SPACED 30" APART.

75'52" FOR 1/2 L. TO 40' AT END. BUTTS TREBLE RIVETED TO DOUBLE WHERE NOT EXCEEDING 42".

CENTRE LINE BULKHEAD. SEE PROFILE.

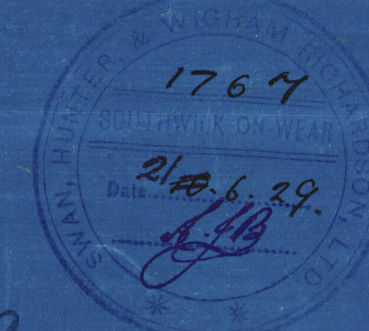
CENTRE GIRDER (RULE 34 1/2" x 44" TO 36") ARRANGED 38'40" FOR 1/2 L. TO 33'50" B.R. BUTTS TREBLE WHERE OVER 38" TO DOUBLE. KEEL ANGLE 6'6" x 45" FOR 1/2 L. TO 43" DOUBLE 3 1/2" x 3/2" x 43" FOR 1/2 OF 3/5 L. CENTRE GIRDER TOP ANGLE 5'5" x 41" FOR 1/2 L. TO 40' AT ENDS. DOUBLE 3'3" x 41" IN E.R. & 3'3" x 40" FORD OF 3/5 L. CENTRE GIRDER VERTICALS 3'3" x 33'43" B.R. 5'5" x 33" SINGLE UNDER ENGINES & THRUST, 5'5" x 43" SINGLE UNDER BOILER BEARERS.

MARGIN PLATE 42" IN HOLDS & E.R. 50" IN B.R. (RULE WIDTH 25", ARRANGED 32") BUTTS DOUBLE RIVETED ALL FORE & AFT. MARGIN ANGLE 3 1/2" x 3'40" 43" IN B.R. VERTICAL ANGLE 3'3" x 33'43" IN B.R. INCREASED IN PANTING AREA. TANK OUTSIDE KNEES 35" IN WAY OF R.Q. DECK. 36" IN WAY OF UPPER DECK. 46" IN B.R.

2 1/2" W.W. CEILING ON TANK TOP IN HOLD.

RULE, GUSSETS EVERY 4" FR. IN WAY OF R.Q.D. 12' 3/4" RIVETS. PROPOSED SINGLE ATTACHMENT ANGLE TO TANK SIDE & KNEE 6'6" x 45" EVERY 4" FRAME. ALSO FOR 1/4 LENGTH FORWARD.

TANK SIDE. 15'12" 24'14" 24'14" 24'14" 24'14" 15'12"



24.6.29

W462-0109

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SUNDERLAND

MESS^{RS} SWAN HUNTER & WIGHAM RICHARDSON L^D

MIDSHIP SECTION

1415

S/S. "England"

SUNDERLAND RPT. NO. 30263

RETAINED

W462-0109



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