

MIDSHIP SECTION.

S.S. "WAR BERYL" No 533 SHIP

STANDARD STEAMERS "F" TYPE.

SCALE $\frac{1}{2}$ = 1 FOOT.

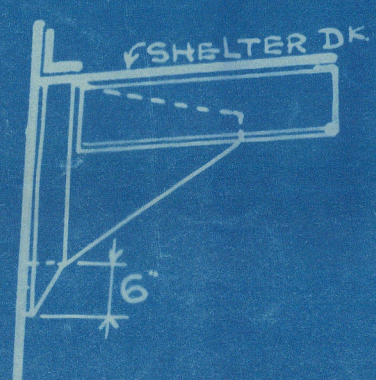
LLOYDS CLASS.

PRINCIPAL DIMENSIONS

LENGTH B.P. ----- 411'-6" + 17'-9" CRUISER STERN = 429'-25"
BREADTH EXT. ----- 55'-6" ----- *96% = 412'-08" LLOYDS LENGTH.
" MLD. ----- 55'-2"
DEPTH MLD. UPPER D^K ----- 29'-0"

DEPTHS TO LTH, SHELTER D^K...11'-13".

CONNECTION OF SHELTER D^K BEAMS
BETWEEN ALTERNATE CHANNEL FR.
No 24 TO 149 FR.



AFT OF 24 FR & FORW^D OF 149 FR
INTERMEDIATE STIFFS $2\frac{1}{2}$ x $3\frac{1}{2}$ x 40"
SCARPHED 2-0 ON TO MAIN FR.

SHEERSTRAKE 66" x 78" FOR $\frac{1}{2}$ LTH
TO 46" AT ENDS.
BUTTS OVERLAPPED & QUAD RIV.
FOR $\frac{1}{2}$ LTH. TREBLE AT ENDS.

STRAKE BELOW SHEERSTRAKE
66" x 68" FOR $\frac{1}{2}$ LTH TO 46" AT ENDS.
BUTTS OVERLAPPED & QUAD RIV.
FOR $\frac{1}{2}$ LTH. TREBLE AT ENDS.

SHELTER D^K STR 58" x 58" FOR $\frac{1}{2}$ LTH TO 36" x 44" AT ENDS.
BUTTS OVERLAPPED & TREBLE RIV.
STRINGER ANGLE 6" x 6" x 50" FOR $\frac{1}{2}$ LTH TO $3\frac{1}{2}$ x $3\frac{1}{2}$ x 44" AT ENDS.

STEEL D^K 42" TO 34" WHERE EXPOSED
STEEL D^K 42" TO 34" UNDER D^K HOUSES &
UNDER WOOD SHEATHING AT END OF SHIP.

SHELTER DECK

NOT EXCEEDING 52'-0" BEAM.
BEAM KNEES 22" x 42" RIVS 5-7/8

ALTERNATE CHANNEL FRAMES
TO SHELTER DECK.

BEAMS AS PER PROFILE EVERY FRAME

DOUBLE ANGLES
 $3\frac{1}{2}$ x $3\frac{1}{2}$ x 48

5" x 5" x 50"
SINGLE

STEEL UPPER D^K 40" FOR $\frac{1}{2}$ LTH TO 36" AT ENDS AS PER DECK PLAN
BUTTS OVERLAPPED & DOUBLE RIV $\frac{1}{2}$ LTH. SINGLE AT ENDS
INCREASED AT OPENINGS AS PER DECK PLAN.

UPPER D^K STR 47" x 48" TO 35" x 44"
TREBLE RIV OVERLAP BUTTS
STR ANGLES $3\frac{1}{2}$ x $3\frac{1}{2}$ x 48" TO 44"

UPPER DECK

UNDER 54'-0"

BEAMS AS PER PROFILE ALTERNATE FRAMES.

KNEES 39" x 54"
RIVETS 9-7/8

FRAMES.

SPACED 28" APART BETWEEN PEAKS.
CHANNEL FRAMES 12 x $3\frac{1}{2}$ x $3\frac{1}{2}$ x 60" TO EXTEND
TO UPPER DECK WHERE UPPER D^K BEAM
" SHELTER " " NO " " "

FRAMES IN E & B SPACE AS PER PROFILE.

FRAMES IN PEAKS SPACED 24" APART

ANGLE FRAME 6" x $3\frac{1}{2}$ x 44"
" REVERSE $3\frac{1}{2}$ x $3\frac{1}{2}$ x 28" 6" GIRDER.
OR BULB ANGLES 8" x 3" x 40"

FORGINGS

RUDDER POST 9" x 8"
PROPELLER POST $10\frac{1}{2}$ x 8"
STEM BARS $10\frac{1}{2}$ x $2\frac{3}{4}$

RUDDER

AS PER RUDDER PLAN.

TANK MARGIN PLATE 38" x 48" {48" IN E.S.
158" IN B.S.
BUTTS OVERLAPPED & TREBLE RIV $\frac{1}{2}$ LTH
DOUBLE RIV. AT ENDS. DEPTH OF MARGIN
REDUCED AT AFT END AS PER RULE.

BRACKETS OUTSIDE TANK 40" TO 36"
40" IN E.S. 50" IN B.S.

CONNECTION TO MARGIN PLATE 6" x 6" x 48" TO 44" SINGLE
SINGLE ANGLES 6" x 6" x 48" IN E.S.
" " 6" x 6" x 52" " B.S.

14 RIVETS IN EACH FLANGE OF 6" x 6" BARS WHERE MARGIN 38" WIDE
12 " " " " " " " " 35" & UNDER

7/8" RIVETS
7 DIAS. APART.
CUESET ANGLE $3\frac{1}{2}$ x $3\frac{1}{2}$ x 42" AT EACH FRAME.

SINGLE RIV. BEAMS

SINGLE RIV. BEAMS

DOUBLE LUGS.

3 1/2 x 3 1/2 x 42 TO 40

42 IN E.S. 52 IN B.S.

3 1/2 x 3 1/2 x 42 TO 40

42 IN E.S. 52 IN B.S.

3 1/2 x 3 1/2 x 42 TO 40

42 IN E.S. 52 IN B.S.

3 1/2 x 3 1/2 x 42 TO 40

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42 IN E.S. 52 IN B.S.

3 1/2 x 3 1/2 x 42 TO 40

42 IN E.S. 52 IN B.S.

3 1/2 x 3 1/2 x 42 TO 40

42 IN E.S. 52 IN B.S.

NUMERALS.

BREADTH MLD. ----- 55'-16"
DEPTH " ----- 29'-00"
" ----- 84'-16" = FRAME N°
LENGTH ----- 412'-08"
34680'-65" = LONGITUD^L N°

EQUIPMENT NUMERALS

B + D x L ----- 34680'-65"
SHELTER T. D^K 412'-08" x 8'-75" ----- 2472'-00"
CASING ETC. 36'-0" x 7'-75" x 5' ----- 140'-00"
BALOON ----- 31'-0" x 8'-0" x 75' ----- 186'-00"
ENG^{RS} ----- 38'-0" x 7'-75" x 75' ----- 220'-00"
TG. FCL ----- 36'-5" x 7'-0" x 75' ----- 192'-00"
EQUIPMENT N° ----- 37890'-65"

EQUIPMENT AS PER RULE.

EQUIPMENT

3 BOWERS STOCKLESS. COLLECTIVE WEIGHTS 194 1/2 CWTs
1 STREAM ANCHOR 19 CWTs. EX STOCK
1 KEDGE " 8 " " "
270 FATHOMS 2 5/8" STUD CHAIN CABLE.
90 " 5" S.W.
120 " 5 1/4 " "
2 OF 90 FATHOMS OF B HEMP HAWSERS OR 2 3/4" S.W.
2 " " " " 7 " WARPS " 2 1/2 "

LIST OF SECTIONS USED

12 x $3\frac{1}{2}$ x $3\frac{1}{2}$ CHANNELS.
10 x $3\frac{1}{2}$ BULB ANGLES.
9 x $3\frac{1}{2}$ " " "
8 x 3 " " "
6 x 6 ANGLES
6 x $3\frac{1}{2}$ " " "
3 1/2 x $3\frac{1}{2}$ " " "
3 x 3 " " "

PILLARS FITTED ON ALTERNATE FRAMES.

LENGTH OF PILLARS.
26'-0" - 28'-0" = 9" x $3\frac{1}{2}$ x 66" DOUBLE B.A.
28'-0" - 30'-0" = 9" x $3\frac{1}{2}$ x 68" " "

PILLARS AT ENDS OF LARGE HATCHWAYS DETAILS TO BE SUBMITTED.

TANK TOP CENTRE STRAKE

44" x 52" TO 42" 52" IN E.S. 56" IN B.S.
66" x 48" TO 40" IN WAY OF TUNNEL

BUTTS OVERLAPPED & TREBLE RIV $\frac{1}{2}$ LTH
DOUBLE AT ENDS.

CENTRE KEELSON.

44" x 52" TO 42" 52" IN E.S. 60" IN B.S.
TREBLE RIV. OVERLAP BUTTS.

C.K. TOP BARS 6" x 6" x 66"
DOUBLE $3\frac{1}{2}$ x $3\frac{1}{2}$ x 52" IN E.S.
" $3\frac{1}{2}$ x $3\frac{1}{2}$ x 62" IN B.S.
" $3\frac{1}{2}$ x $3\frac{1}{2}$ x 48" FORW^D OF $\frac{3}{8}$ LTH FORW^D
C.K. VERTICAL CONNECTIONS 6" x 6" x 48" $\frac{1}{2}$ LTH.
SINGLE 6" x 6" x 48" IN B.S.
" " " 52" " B.S.
" $3\frac{1}{2}$ x $3\frac{1}{2}$ x 40" AT ENDS OF VESSEL.

C.K. BOTTOM ANGLE 6" x 6" x 66" SINGLE
DOUBLE FORW^D OF 35 LTH 6" x 6" x 42"

FLAT PLATE KEEL 47" x 1'-02" FOR $\frac{3}{8}$ LTH
72" AT ENDS.

QUAD RIV. OVERLAP BUTTS FOR $\frac{3}{8}$ LTH.
TREBLE AT ENDS.

29'-0" DEPTH MOULDED
"d" = 25'-4"

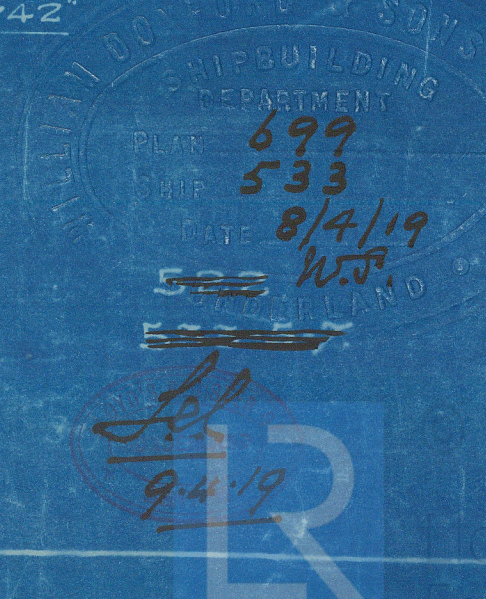
SIDE SHELL 64" TO 46"
4 STRAKES INCREASED 10" AS SHOWN
= 68" TO 50" 46" IN PEAKS.
TREBLE RIV. OVERLAP BUTTS.

BOSS PLATES 74"
QUAD RIV. OVERLAP BUTTS.

BULGE KEEL
ANGLE 6" x $3\frac{1}{2}$ x 50"
BULB 10" x 150"

SHELL PLATING WITHIN RANGE OF DOUBLE BOTTOM
TO BE REDUCED AS PER SECTION 16. PARA 15.

MIDSHIP THICKNESSES TO BE MAINTAINED FORWARD TO COLLISION BHP



WDS3-0100

SUNDERLAND

Messrs W. M. DOXFORD & SONS L^{td}

MIDSHIP SECTION
(AS BUILT)

No 533

D.S. "WAP BERYL"

SUNDERLAND RPT. NO. 27484 11

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W1353-0100



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