

FORGINGS:-
PROPELLER FRAME 10 x 7
RUDDER POST 9 x 7
STEM 10 x 2 1/8

RUDDER:- SPEED UNDER 10 KNOTS.
A: 140 x D: 272 = 380. (SEE APPROVED RUDDER PLAN.)
RUDDER HEAD 8 1/2 DIA.
HEEL 6 1/2
PINTLES 4 1/4
PLATE 1.04

BRIDGE SHEERSTRAKE A REDUCED ALTERNATE IN VIEW OF DEEP BULB AND FRAMES BEING CARRIED TO BRIDGE DECK.

BRIDGE SHEERSTRAKE 1/2 x 60
SIDES 60
BUTTS OVERLAPPED & QUAD. RIV.

POOP 36 FCLE 40
BUTTS OVERLAPPED & DOUBLE RIV.

INTERSTRAKE 58
IN WAY OF BRIDGE
CLEAR OF BRIDGE = 46 x 82 TO 44
QUAD RIV OVERLAP BUTTS
OUTSIDE OF BRIDGE TO 1/2 LENGTH
TREBLE IN WAY OF BRIDGE
& AT ENDS.

SHEERSTRAKE DOUBLED FOR 20'0
AT ENDS OF BRIDGE.

STRAKE BELOW SHEERSTRAKE
58 IN WAY OF BRIDGE.
CLEAR OF BRIDGE 64 TO 44
QUAD RIV OVERLAP BUTTS FOR 1/2 LTH.
TREBLE AT ENDS.

SHELL
58 TO 44

SHELL
58 TO 44

SHELL
58 TO 44

SHELL BUTTS OVERLAPPED &
TREBLE RIVETTED.
QUAD. WHERE OVER RULE LIMITS
FOR 1/2 LENGTH.

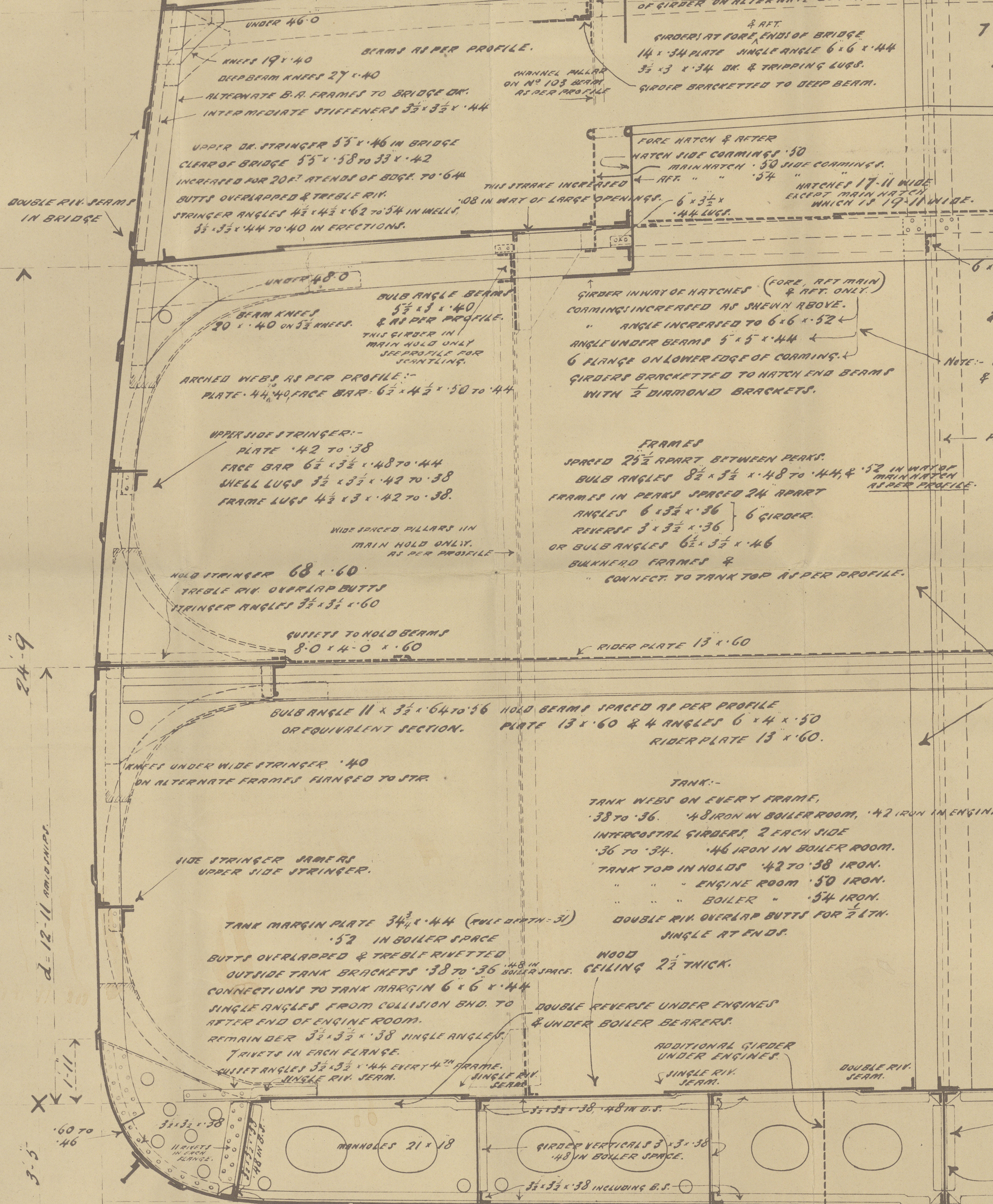
BUTT PLATING 70
QUAD RIV. OVERLAP BUTTS.

BULB KEEL - BULB 8 x 40
T. BARS 6 x 4 x 44

PRINCIPAL DIMENSIONS:-
LENGTH B.P. 351.9
BREADTH EXT. 51.0
M.L.D. 50.8
DEPTH M.L.D. 28.2

DEPTHS TO LENGTH UPPER DECK = 12.49
BRIDGE DECK = 9.86

BRIDGE STRINGER 49 x 30 TREBLE RIV. OVERLAP BUTTS.
POOP & FCLE 33 x 34 DOUBLE
BRIDGE STR. ANGLE 4 1/2 x 4 1/2 x 56
POOP & FCLE 3 1/2 x 3 1/2 x 34



S.S. N° 470

POOP DECK 30 STEEL SINGLE RIV. OVERLAP BUTTS.
BRIDGE DECK 34 STEEL DOUBLE
FCLE DECK WOOD.

NUMERALS:-
BREADTH M.L.D. 50.66
DEPTH " 28.16
78.82 = FRAME N°
351.75
27724 = LONGIT. PL. N°

EQUIPMENT AS PER RULES.
N° 29157.

6 x 3 x 44 ANGLE UNDER BEAMS.

7 x 3 1/2 x 40 SINGLE CHANNEL PILLARS
DOUBLE UNDER DEEP BEAM.
REFLED FOR SHIFTING BOARDS.

UPPER DECK IN ERECTIONS
34 TO 32 STEEL. DOUBLE RIV. OVERLAP
UPPER DECK IN WELLS BUTTS FOR 1/2 LTH.
40 TO 32 STEEL. SINGLE AT ENDS.

6 x 3 x 56 ANGLE UNDER BEAMS.
DEEP HATCH END BEAMS:-
14 x 52 PLATE
& 2 ANGLES 6 x 6 x 50

NOTE:- SEE PROFILE FOR SECTION OF HATCH SIDE
& GIRDER IN WAY OF MAIN HATCH.

PILLARS REFLED FOR SHIFTING BOARDS.

DOUBLE CHANNEL HOLD PILLARS	
16 TO 18 FT	7 x 3 1/2 x 3 1/2 x 40
18 " 20 "	" 42
20 " 22 "	" 44
22 " 24 "	" 46
24 " 26 "	" 48
26 " 28 "	" 50
28 " 30 "	" 52
30 " 32 "	" 54

PILLARS AT DEEP HATCH END BEAMS
IN WAY OF HOLD BEAMS:-
5 1/2 DIA. SOLID ROUND IRON.

FRAMES
SPACED 25 1/2 APART BETWEEN PEAKS.
BULB ANGLES 8 1/2 x 3 1/2 x 48 TO 44 & 52 IN WAY OF
MAIN HATCHES.
FRAMES IN PEAKS SPACED 24 APART
ANGLES 6 x 3 1/2 x 36 6 GIRDER.
REVERSE 3 x 3 1/2 x 36
OR BULB ANGLES 6 1/2 x 3 1/2 x 46
BULKHEAD FRAMES &
CONNECT TO TANK TOP AS PER PROFILE.

RIDER PLATE 13 x 60

BULB ANGLE 11 x 3 1/2 x 64 TO 56 HOLD BEAMS SPACED AS PER PROFILE
OR EQUIVALENT SECTION. PLATE 13 x 60 & 4 ANGLES 6 x 4 x 50
RIDER PLATE 13 x 60.

TANK:-

TANK WEBS ON EVERY FRAME,
38 TO 36. 48 IRON IN BOILER ROOM, 42 IRON IN ENGINE ROOM.
INTERCOSTAL GIRDERS 2 EACH SIDE
36 TO 34. 46 IRON IN BOILER ROOM.
TANK TOP IN HOLDS 42 TO 38 IRON.
" ENGINE ROOM 50 IRON.
" BOILER 54 IRON.

DOUBLE RIV. OVERLAP BUTTS FOR 1/2 LTH.
SINGLE AT ENDS.

WOOD
CEILING 2 1/2 THICK.

DOUBLE REVERSE UNDER ENGINES
& UNDER BOILER BEARRERS.

ADDITIONAL GIRDER
UNDER ENGINES
SINGLE RIV.
JERAM.

DOUBLE RIV.
JERAM.

TANK TOP CENTRE STRAKE
48 TO 40.
54 IRON IN BOILER SPACE.
BUTTS OVERLAPPED & TREBLE RIV. FOR 1/2 LTH.
DOUBLE RIV. AT ENDS.

CENTRE KEEL SON 41 x 50 TO 40.
60 IN BOILER SPACE, IRON.
BUTTS OVERLAPPED & TREBLE RIV.
C.K. TOP BARS 3 1/2 x 3 1/2 x 48 TO 46
58 IN BOILER SPACE.
C.K. BOTTOM BARS 4 1/2 x 4 1/2 x 58 TO 54
C.K. VERTICAL CONNECTIONS 3 1/2 x 3 1/2 x 38
48 IN BOILER SPACE.

DOUBLE ANGLES
FOR 1/2 LENGTH

KEEL PLATE:-
46 x 92 FOR 3/5 LTH. TO 66
DOUBLE BUTTSTRAPS TREBLE RIV.
FOR 1/2 LTH. QUAD. RIV. OVERLAPS TO 3/5 LTH.
TREBLE RIV. OVERLAP BUTTS AT ENDS.

SHELL PLATING WITHIN RANGE OF DOUBLE BOTTOM
TO BE REDUCED .02 WHEN PLATING .52 & UNDER .54
& .04 WHEN PLATING .54 & ABOVE.

MIDSHIP THICKNESSES TO BE MAINTAINED
FORWARD TO COLLISION BULKHEAD.



28/1/10
CORRECTED TO
DATE 14/12/09

012606-012609-0002

J L Thompson & Sons

N^o 470

" " IRISH ELM,

S.S. Collingham^{EX}

X Section as built

Ld Y. E. M. 24334



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Foundation