

SCALE  $\frac{1}{2}" = 1 \text{ FOOT}$

DIMENSIONS LENGTH B.P. 405'0. BREADTH 153'2. DEPTH 128'0

10.11.13  
24.11.13.  
2.12.13.  
20.1.14  
14.10.14

### DETAIL PLAN OF CASINGS

TO BE SUBMITTED LATER. ✓

DECK PLATING 40-34 BUTS OVERLAPPED  
AND DOUBLE RIVETED FOR 1/2 LENGTH SINGLE AT ENDS

DETAIL OF HATCHES TO BE SUBMITTED LATER

SHELTER DECK SINGLE

INDEX 50.0

SHELTER DECK BEAMS 8/2.34 x 8BA } EVERY FRAME ✓  
1/2 7.34 x 4BA }  
REDUCED AT ENDS AS SHOWN ON PROFILE  
HATCH END BEAMS

Deck PLATING  $\cdot 40 - 36$  BUTTS OVERLAPPED  
& DOUBLE RIVETED FOR  $1/2$  LENGTH SINGLE AT ENDS  
 $\cdot 50\% \cdot 44$  ahead of openings.

UPPER DECK BEAMS 11 @ 3/2" x 5.0 BA } ON ALTERNATE  
1/2 3/2" x 3/2" x 5.0 BA } FRAMES.

REDUCED AT ENDS AS SHOWN ON PROFILE  
HATCH END BEAMS " " "

27  
FRAMES RULE 12.3/2.66 SPACED ~~27~~ APART 24" IN PEAKS  
~~2.66 SPACED 27" APART~~  
REDUCED ON ACCOUNT OF DEEPER T.O.B.'S & BEAM WEEB  
FRAMES IN PEAKS 7.3/2.44 BAs.

FLOORS IN PEAKS - 40  
BULKHEAD PLAN TO BE SUBMITTED ✓  
STEM 10 1/2 3/4, PROPELLER POST 10 1/2 7/2, RUO POST 13 7/2  
RUDDER HEAD TO RULE

DOUBLE BOTTOM  
SOLID FLOORS RULE 40 TO 36  
PROP. 42 TO 38. 50 IN BOILER SPACE FOR INCREASED SPACING  
ON EVERY FRAME FORWARD OF  $\frac{1}{8}$  L IN ENGINE SPACE

CLAWS ON EVERY 3<sup>RD</sup> FRAME AS PER PROFILE  
FLANGED ON TOP IN LIEU OF REV FRAME EXCEPT IN  
ENGINE ROOM UNDER BOILER BEARERS  
FRAMES 3/2 x 3/2 - 40 DOUBLE TOP OF 3/2 LENGTH  
REVERSE FRAMES IN ENGINE ROOM 3/2 x 3/2 x 40 DOUBLE FROM  
CENTRE LINE TO BEYOND THE GIRDER NEXT OUTSIDE OF ENGINE SEAT.  
3/2 x 3/2 x 50 UNDER BOILER BEARERS *double*.  
BRACKET FLOORS 40 TO 36 FLANGED 50 IN BOILER SPACE  
FRAMES 7/2 x 44 - 4A *30 IN BOILER SPACE* REDUCED .04 IN THICKNESS  
REV. FRAMES 3/2 x 40 8A. WHERE SPAN IS REDUCED 1'0  
VERTICAL LUGS 7 x 3/2 x 40 B.A.S.  
SIDE GIRDERS 40 TO 36 50 IN B.R. FLANGED TO FLOORS  
TOP ANGLE 3/2 x 3/2 x 40 ~~TO 36~~ SINGLE 50 IN BOILER ROOM.  
BOTTOM ANGLE 3/2 x 3/2 x 40 ~~TO 36~~ 3 SINGLE.  
TANK TOP PLATING CENTRE STRAKE RULE 43 x 30  
PROPOSED 68 x 40 - 40 56 IN BOILER ROOM.  
BUTS REBURNED OVERLAPS FOR 1/2 DOUBLE AT ENDS  
TANK TOP PLATING IN HOLDS 42 TO 36 FOR INCREASED SIZE  
43 IN ENGINE ROOM 56 IN BOILER ROOM  
BUTS DOUBLE RIVETED OVERLAPS FOR 1/2 SINGLE AT ENDS

STRINGER PLATE 37.58 TO 35.44  
BUTTS OVERLAPPED & TREBLE RIVETED  
ALL FORE & AFT  
STRINGER ANGLE 5.5 x 60 - 48

BEAM KNEES 21" x 42"  
5 @ 3/4 RWTs  
FOR KNEES ON HATCH END  
BEAMS SEE PEOPLE  
MAIN FRAMES CARRIED UP  
HATCH END BEAMS

STRINGER PLATE 47" x .48 TO 35" x .44  
PROPOSED 58" x .46 TO 35" x .44  
BUTTS OVERLAPPED & TRIPLE RIVETED

BEAM KNEES  
RULE ~~36~~<sup>36</sup> x ~~54~~<sup>52</sup> 8 @ 7/8 RIVS  
~~RULE 36 x 54 7 @ 7/8 RIVS~~  
KNEES ON HATCH END  
BEAMS ~~36~~<sup>36</sup> x ~~54~~<sup>52</sup> 8 @ 7/8 RIVS  
8 @ 7/8 RIVS

SCANTLINGS IN FORE HOLD  
FRAMES 8'2" x 3'2" <sup>54</sup> 50 BA SPACED 27" APART  
CARRIED TO UPPER DECK <sup>Butt</sup> See profile  
GUEST ANCHORS EVERY 2' 30" FRAMES 4'3" x 2' 30"  
MAIN DECK BULKHEADS

BEAMS 12' 4" 4" 70 CHANNELS. *Alt. frames*  
 $\frac{1}{2}$ " 12' 4" 4" 56 "  
 KNEES 31" 31" 54" @ 78° RIVETS EACH WAY.  
 HATCH END KNEES 36" 36" 54"  
 FLANGED 30N FACE. 8 @ 78° RIVETS.  
*Stronger 47x 44 Tie plates 32-16x 44*  
*" angles 32x32x 48*

MARGIN PLATE 36" x 48" 50 IN BOILER ROOM  
BUTTS REBLED RIVETED OVERLAPS ALL FIRE & AFT.  
MARGIN ANGLE 4" x 4" x 48"  
OUTSIDE VERTICAL ANGLES 5.5 x 5.5" SINGLE 60 IN BR.  
INSIDE VERTICAL ANGLES 5.5 x 3.2" 40" SINGLE 50 IN BR.  
GUSSET ANGLES 4" x 3" x 38" ON EVERY FRAME  
OUTSIDE BRACKETS 4" TO 36" 50 IN BOILER ROOM  
FLANGED 3 1/2" ON TOP.

TOP ANGLE  $4\frac{1}{2} \times 4\frac{1}{2} \times 60$  *Skid*  
 TO: 36 SINGLE *at 1*  
 60 IN BOILER ROOM *to 2*

CENTRE GIRDER  $4\frac{1}{2} \times 30$   
 60 IN BOILER SPACE  
 BUTTS OVERLAPPED & TRIPLE  
 RIVETED FOR & A/F

VERTICAL ANGLE  $5\frac{1}{2} \times 5$  36 SING  
 FOR  $2\frac{1}{2} \times 3\frac{1}{2} \times 50$  *50* TENDR  
 56 IN BOILER ROOM

BOTTOM ANGLE  $4\frac{1}{2} \times 4\frac{1}{2} \times 60$   
 TO 36 *(6)*

KEEL 47x1.00  
FOR 3/4 LENGTH TO 70 AT ENDS  
BUTTS QUAD RIVETED  
70 & 3 BELOW TREBLE RIVETED.

A B

B STRAKE IN. C STRAKE OUT.

$72" \times .66 \text{ TO } 50.48 \text{ IN PER } 73" \times .66 \text{ TO } 50.48 \text{ IN PER}$

B C D + E BUT'S QUADRUPLS RIVETED FOR 7/8"

" REDUCED .04 IN WAY OF ENGINE SILL

B C D + D TO MAINTAIN MIDSHIP THICKNESS FOR WA

STRAKE IN      STRAKE OUT  
72 • 66 To 50. 43 IN PEAKS  
72 1/2 • 66 To 50. 43 IN PEAKS  
STY TONGS AT ENDS  
WHERE SOLID FLOORS ARE TYPED ON EVERY FRAME

SKETCH OF BRACKET FLOOR.

VERTICAL ANGLES ON  
BRACKET FLOORS  
 $3\frac{1}{2} \cdot 3\frac{1}{2} = 40$  ~~TO~~ SINGLE

7. 3x 40 B.A.

7-3-40 BAs

BREADTH MLO	33.100
DEPTH MLO	280
TRANSVERSE NUMBER	81.100
LENGTH BP.	408.0
LONGITUDINAL NUMBER	22872.0
ERECTOR	2430
CASINGS	283
EQUIPMENT NUMBER	35585
LENGTH ÷ DEPTH TO SHEETER DECK	11.25
a	243
a IN WAY OF FORE HOLE	125

EQUIPMENT

2 POWER ANCHORS	2 3/4 CUBIC FEET
1 " "	5 1/2 "
1 STREAM "	1 7/8 EXT TACK
1 KEDGE "	7 "
270 FATHOMS	2 1/2 STD CHAIN CABLE
90 "	4 1/4 STEEL WIRE
120 "	3 " TOWLINE
90 "	3/2 " HAWSER
90 "	3 " "
26 90 "	2 1/2 " "

WITH OWNERS CONSENT FOR STEEL WIRE  
WEBS AS PER PROFILE  
FLANGED ON BOTH ENDS

M2 STRAKE IN  
57 x 76 To 40 ✓ RULE 47 x 76  
BUTTS OVERLAPPED + QUADRUPE  
RIVETED TREBLE WHERE DB + UNDER

LS STRAKE OUT:  
72" x .66 To .40 ✓  
BUTTS OVERLAPPED + QUADRUPE  
RIVETED FOR 1/2 LENGTH  
TREBLE RIVETED AT ENDS

K STRAKE IN  
~~68~~<sup>72</sup> x .66 To .48. 44 IN PEAKS  
BUTTS QUADRUPLE RIVETED FOR 2 L.  
TREE LATH ENDS

U STRAKE OUT  
~~7~~ x .60 T48 .44 IN PEAKS  
 68  
 BUTTS QUADRUPLE RIVETED FOR 1/2 L  
 TREBLE AT ENDS

4 STRAKE IN  
72" - 66 TO 48" - 44 IN PEAKS  
BUTTS QUADRUPLE RIVETED FOR 1/2"  
- TREBLE AT ENDS

G STRAKE OUT  
73 2x.00 TO .48 .44 IN PEAKS  
BUTTS QUADRUPLE RIVETED FOR 1/2 L  
TREBLE AT ENDS.

2 FOUR IN  
63" - 66 TO 50" IN PEAKS  
BUTTS QUADRUPLE RIVETED  
FOR 1/2 L TREBLE AT ENDS

C.B.  
10. 11. 13.

4.  
S. TWO



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**NEWCASTLE-ON-TYNE.**

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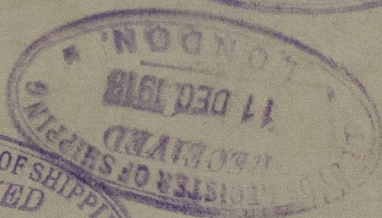
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