

DIMENSIONS AS PER RULE

LENGTH	373.00
BREADTH	51.29
DEPTH AT CENTRE	29.29
* MOULDED	28.25

CLASS 100 A.1. THREE DECK RULE & SHELTER DECK
SPECIAL SURVEY

JOHN READHEAD & SONS,
SHIPBUILDERS,
SOUTH SHIELDS.

-SHELTER DECK

DECK $\frac{7}{16}$ (5 AT ENDS). OVERLAPPED BUTTS DOUBLE RIVETED FOR $\frac{1}{2}$ LEN
IRON ENDS SINGLE

BEAMS $7\frac{1}{2} \times 3 \times \frac{1}{120}$ BULB ANGLES ON EVERY FRAME *under 48 feet.*
AFTER PART (CORRESPONDING TO POOP) $6\frac{1}{2} \times 3 \times \frac{1}{120}$ BULB ANGLES ON EVERY FRAME
HATCH END BEAMS $7\frac{1}{2} \times 3 \times \frac{1}{120}$ BULB ANGLES

Note:- ON ACCOUNT OF HEAVY FRAME ANGLES BEING RUN UP TO SHELTER DECK THE SHELL PLATING OF THOSE STRAKES IN WAY OF SAME TO BE REDUCED $\frac{1}{20}$ WHERE $\frac{10}{20}$ & ABOVE OR, ALTERNATE FRAMES ATTACHED TO SHELL (ABOVE GUNWALE BAR) $\frac{10-3}{10-3}$ OF HOLE SIZE $6 \times 3 \frac{1}{2} \times 80$.

NO WEB PLATES AT SHELTER DN. SIDES

UPPER DECK—

DECK 8-7 STEEL, OVERLAPPED BUTTS
SINGLE RIVETED FOR 1/2 IN. ENDS SINGLE RIVETED

BEAMS $9 \times 3\frac{1}{2} \times 1\frac{1}{2}$ BULB ANGLES ONE EVERY FRAME FOR $\frac{1}{2}$ LENGTH, ~~2~~ $3\frac{1}{2}$ AND 45 PER RILE
HATCH END BEAMS $2 \times 1\frac{1}{2}$ PLATE & 2 ANGLES $6 \times 6 \times \frac{1}{2}$

1/2 BEAM	25.64
1/2 GIRTH	50.72
DEPTH	<u>29.29</u>
	105.65

DEPTH TO LEN. 12.7
BREATHS " 7.27

$$\begin{array}{r} 105.65 \\ 7.00 \\ \hline 98.65 \end{array} \times 373 = \underline{39407} \quad \text{TWO DECKED NUMERALS}$$

$$98.65 \times 373 = \underline{36796} \quad \text{THREE " "}$$

FRAMING ON DEEP FRAME PRINCIPLE & TO FORM 13" GIRDER

OUTER FRAMES $8 \times 3\frac{1}{2} \times \frac{12-11}{20}$ " SPACED 25" APART CENTRE TO CENTRE
INNER " $8\frac{1}{2} \times 4 \times \frac{12-10\frac{1}{2}}{20}$ " TO EXTEND TO UPPER DECK ON EVERY FRAME
IN PEAKS ORDINARY FRAMES $6 \times 3\frac{1}{2} \times \frac{12}{20}$ REVERSE FRAMES $4\frac{1}{2} \times 3\frac{1}{2} \times \frac{12}{20}$
 TO EXTEND TO UPPER DECK IN WAY OF AFTER PEAK & TO FORECASTLE & UPPER
LONGITUDINAL STIFFENER ALTERNATELY IN WAY OF FORE PEAK

BOTTOM FRAMES BETWEEN $3/5$ LEN. FOR^D & COLLISION B.H^D TO BE DOUBLED

REVERSE FRAMES DOUBLE ACROSS TOPS OF FLOORS IN ENGINE SPACE & UNDER BOILER BEARERS

2. LONGITUDINALS
 PLATE $17\frac{1}{2} \times \frac{10 \cdot 9}{20}$
 ANGLE $6\frac{1}{2} \times 4\frac{1}{2} \times$
 SHELL ANGLES $3\frac{1}{2} \times$

FLOORS 8/20 IN HOLDS ONE EVERY FRAME
10/16 IRON IN BOILER SPACE } ON EVERY FRAME
10/20 ENGINE SPACE }

Rivets through frames and reverse frames, and through frames and shell plating to be 6 diameters apart.

FLOORS 8/20 IN HOLDS ONEVERY FRAME

ALL ANGLE BARS IN BOILER SPACE INCREASED AS PER RULE

— BULKHEADS —

PLATE $\frac{9}{16}$ " LOWER HALF, $\frac{7}{16}$ " UPPER HALF,
STIFFENED VERTICALLY BY BULB ANGLES
8 $\frac{7}{8}$ \times $3\frac{1}{2}$ \times $\frac{9-11}{16}$ SPACED 30 APART IN LIEU
OF HORIZONTAL STIFFENERS & ADDITIONALLY
STIFFENED BY SEMI-BOX BEAMS AS PER RULE
a web to be fitted on each
side of each line.

—INNER BOTTOM

CENTRE STRAKE _____ $43 \times \frac{10-8}{20}$ - $\frac{11}{16}$ IRON BOILER SPACE ✓
HOLDS _____ $\frac{8-7}{20}$ ✓
ENGINE SPACE _____ $\frac{14}{16}$ & $\frac{10}{20}$ ✓
BOILER " _____ $\frac{11}{16}$ IRON ✓ - 6822

— *FORGINGS*

STERN FRAME.....12 x 6 $\frac{1}{2}$
STEM BAR.....11 x 3
RUDDER HEAD.....not less than $\frac{1}{2}$ dia. 4 blos. 120, con.
HEEL.....7 $\frac{1}{4}$ "
PINTLES.....4 $\frac{3}{8}$ "
PLATE.....22" $\frac{26}{20}$ THICK

Riveting of double bottoms
as per Table STA.

OVERLAPPED BUTTS, QUADRUPLE RIVETTED
FOR 1/2 LENGTH TRIPLE AT ENDS

✓ OVERLAPPED BUTTS
TRIPLE RIVETTED FORE & AFT
WHERE OVER RUL WIDTHS
OVERLAPPED BUTTS QUADRUPLE
RIVETTED FOR $\frac{1}{2}$ LENGTH

Lloyd's Register
Foundation