

SECTIONS THROUGH WT. BULKHEADS

SCALE $\frac{1}{2}'' = 1'$

SPEED 13 1/4 KNOTS

BRITISH LLOYDS 10

ALL THICKNESSES $\frac{1}{100}$ OF AN INCH

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1	STREAM	4	EXCL. STOCK
195	FATHOM	1 1/2"	STUD LINK CHAIN CABLE
			MIN. WEIGHT 126 1/4 CWT.
120	FATHOMS	4"	WIRE
60		2 3/4"	ON PURCHASE REEL
75		2 3/4"	ON SIMPLE REEL
90		2 3/4"	

STRINGER PLATE 25" x 36"
DECK PLATING 26"
STRINGER ANGLE 3 1/2" x 36"
GUTTER ANGLE 3" x 36"
WOOD DECK 5" x 2 1/2" PITCH PINE
ONE ROW OF PILLARS (SEE PROFILE)
BEAMS SE DECK PLANE

SIDEPLATING - 26'

BEAMS 4 1/2" x 3" x 30 ANG:

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CONNECTING FRAMES WITH OUTSIDEPL IN PEAKS 3/4 RV: 4/8 AP:
      .. IN DEEPTANKS 3/8 RV: 4/8 AP:
      ..
      .. FORWARD OF 3/8 L 3/8 RV: 4/8 AP:
      .. BOTTOMS .. ELSEWHERE 3/4 RV: 1/4 AP:
OUTSIDEPLATING WITH STEM 7/8 RV: 4/8 .. IN EACH ROW
      .. STERNPOST 7/8 RV: 4/8 .. IN EACH ROW
CONNECTING FRAMES TO FLOORS FORWARD OF 1/2 L 5/8 RV: 3/2 AP:
      .. IN WAY OF ENGINESEAT 3/4 RV: 4/8 AP:
      .. ELSEWHERE 5/8 RV: 4 1/2 AP:
      .. REVERSESE .. IN WAY OF ENGINESEAT 3/4 RV: 4/8 AP:
      .. ELSEWHERE 5/8 RV: 4 1/2 AP:
TANKTOP SEAMS 1 ROW 5/8 RV: 2 1/4 LAP
MARGINANGLE TO SHELL 3/4 RV: 3/8 AP:
      .. TANKTOP 5/8 RV: 2 3/4 AP

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MAINDECK
STRINGERPL: BUTTS 2 ROWS 5/8 RIV: 2 1/4" APART 4 1/4" LAP
DECKPLATE 12" ALAM: BUTTS 2 ROWS 5/8 RIV: 2 1/4" AP: 4 1/4" LAP
AT ENDS BUTTS 1 ROW 5/8 RIV: 2 1/4" AP: 4 1/4" LAP
SEAMS 1 ROW 5/8 RIV: 2 3/4" APART 2 1/4" LAP
BEAMS TO DECKPLATING 5/8 RIV: 4 1/2" APART
CABINDECK WHERE WATERTIGHT
STRINGERPL: 2 ROWS IN BUTTS 5/8 RIV: 2 1/4" AP: 4 1/4" LAP
SEAMS 1 ROW 5/8 RIV: 2 1/2" APART 2 1/4" LAP
BEAMS TO DECKPLATING 5/8 RIV: 3 1/2" APART
WT. BULKHEAD
SEAMS 5/8 RIV: 2 1/4" AP: 2 1/4" LAP
BUTTS 5/8 RIV: 2 1/4" AP: 2 1/2" LAP
BOUNDARY ANG: TO SHELL 3/4" 3 3/4" APART
IN PEAKS AND DEPTTANKS 3/8" RIV: 3 3/4" AP
TO BULKH AND DECK 5/8 RIV: 2 3/4" AP
STIFFENERS TO PLATE 5/8 RIV: 4 1/2" APART
IN PEAKS AND DEPTTANKS BULKH 5/8 RIV: 3 3/4" AP

WHERE STIFFENERS HAVE NO BRACKET ATTACHMENT RIVETS TO BE SPACED 4 DIAS FOR 15% OF THEIR LENGTH FROM EACH END

BUNKERBULK^H (CROSS BUNKER)
LOWER STRAKE 24" ABOVE STOKEHOLD FLOOR .36"
OTHER STRAKES .30"
STIFF: 5" x 3" x .36" ANG: 36° AP:
WITH 12" BRACKETS TO DECK.

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STIFF: 5" x 3" x .36" ANG: 36° AP:
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SHELLING 333.36
SECTION THROUGH
ENGINE ROOM

CANTFRAMES $4\frac{1}{2} \times 3\frac{1}{2} \times 30$
CANTBEAMS $4\frac{1}{2} \times 3\frac{1}{2} \times 30$
FLOORPLATES $19\frac{1}{2} \times 32$ - 36 IN ENG. SP. 42 IN
REVERSE FRAMES ON FLOORS $2\frac{1}{2} \times 2\frac{1}{2} \times 32$ - 40
DOUBLE BELOW BOILER DECK
TRANSPAL: SEE PLAN OF STERNFR.
BERKEEL $7\frac{1}{2} \times 24$ ROLLED STEEL
STEM $6\frac{1}{2} \times 1\frac{1}{2}$ - - -
STERNPOST FORGED STEEL OR SCRAP-IRON
PROPELLERPOST $6\frac{1}{2} \times 3\frac{1}{2}$
RUDDERPOST $7\frac{1}{2} \times 3\frac{1}{2}$
SOLE PIECE $6\frac{1}{2} \times 4$
RUDDER FORGED STEEL OR SCRAP-IRON
AREA $A = 40 \times$ DISTANCE $D = 1.6S$
RUDDERHEAD 5 DIAS ($\frac{1}{2}$ ABOVE R
PINTLES 3 DIAS
SINGLE RUDDERPLATE $24 \times$

CENTRE GIRDER 30'-3"

FLOORS . 28' ON EVERY 3RD FRAME ENDFR

INTER COSTALPL. 31'

FRAME BRACKETS . 32'

TANK TOP CENTRE STAKE 40'-3 1/4"

--- REMAIN . 30"

--- MARGINSTRAKE 27'-3 1/4"

CENTRE GIRDER KEELAGE 5'-3"-38" SIN

--- TOPANG 3'-3"-38" SIN

MARGINING 3'-3"-34"

FRAMES FULL FLOORS 3'-3"-28"

REVERSEFR. ~ 2 1/2'-2 1/2"-28"

FRAMES OPEN FLOORS 3'-3"-32"

REVERSEFR. ~ 5'-3"-32"

STRUT ~ 5'-3"-32"

Hand-drawn floor plan of a room. The plan shows a rectangular room with a central area labeled "2 1/2' CEILING". The room is divided into sections by lines. Dimensions are given in feet and inches. Labels include "5' FLANGE", "SINGLE 3' x 2 1/2' x 28\"", "9 DIA R", and "50FF 3/4". The plan also shows a door on the right side and a window on the left side. The overall dimensions of the room are 5' 6" by 30'.

5' FLANGE
SINGLE 3' x 2 1/2' x 28"
2 1/2' CEILING
50FF 3/4
9 DIA R
5' 6" x 30'

SHELL - PLATE TO TAKE 11 FRAMES¹ IN LENGTH.
BOSS PLATES '36'
SHEARWATER STRAKE AND STRAKE NEXT SHEARWATER STR: TO
MAINTAIN THEIR MIDSHIP THICKN AT FOREEND OF SHIP
STRAKES RIVETED TO STERNFR: TO HAVE THEIR MIDSHIP THICK.
ICE STRENGTHENING (OWNERS REQUIREMENT) ACCORDING TO
GERMANISCHER LLOYD'S RULE.
~~PLATES 2 FT ABOVE LEADLINE TO 2 FT BELOW~~
~~LIGHT WATER LINE FROM STEM TO 275 FT ABOARD~~
~~THE SAME TO BE .54" THICK AND GRADUALLY~~
~~REDUCED TO THE MIDSHIP THICKNESS~~
~~INTERMEDIATE FRAMES 5'-3" 38 ANG TO BE FITTED~~
~~FROM STEM TO COLL BULKH EXTENDING FROM 3 FT BELOW~~
~~LIGHT WATER LINE AND TO THE STRINGER BETWEEN~~
~~TANKDECK AND UPPERDECK.~~

SECTION THROUGH DEEPTANK

5°-40° ANG
EVERY FRAME
0° flanged
5 OFF 5° DRIV:
6 1/2° x 3° 46

SECTION THROUGH BOILER ROOM

2x3-41
31 CLEAR OF ROILER
44°
2x6-37-56 BA
2 1/2-2 1/2-42
DOUBLE BELOW BEARER
48 PL

$\frac{2\frac{1}{2} \times 2\frac{1}{2} \times 48}{3 \times 3 \times 31}$
 $\frac{3 \times 3 \times 32}{3 \times 3 \times 31}$

COVERED WITH CEMENT

SKETCH OF OPEN FLOORS

CENTREGIRD: AFTEREND
OF DOUBLE BOTTOM

CENTRE GIRDER FOREEND
OF DOUBLE-BOTTOM

SKETCH OF CENTRE-KEELSON

Kjöbenhavn Skibedok
og Skibsværft.

Building No. 179.

Midship - Section.

Surveyor



Steel Sc. "Odin"
Cpn. Rpt. No. 7286.



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Lloyd's Register
Foundation

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