

PRINCIPAL DIMENSIONS:-

LENGTH B.P. 346-0
BREADTH EXT. 49-6
" MLD. 49-2½
DEPTH MOULDED 27-11.

S.S. NOS. 434

THREE DECK RULES.

SCALE ½" = 1 FOOT

CLASS 100 A LLOYDS.

AND CLASS I.A.I. STEEL

NORSKE VERITAS.

NUMERALS:-

HALF BREADTH MLD 24-60
HALF GIRTH 49-38
DEPTH AS PER RULE 28-89
102-87 = 2DK FRAME NUMBER.
LESS 7-00
THREE DK. FRAME NO 95-87
LENGTH AS PER RULE 344
PLATING NO 32979.

PROPORTIONS:-

DEPTHS TO LENGTH = 11-9

NOTE:- BULB ANGLE FRAMES
CARRIED TO BRIDGE DECK.

POOP & FORECASTLE SIDES 7-20
BRIDGE SIDES 10-20
TREBLE RIV. OVERLAP BUTTS
IN WAY OF BRIDGE

POOP & FORECASTLE SIDES 7-20
BRIDGE SIDES 10-20
DOUBLE RIV. OVERLAP BUTTS

DOUBLE RIV. SEAMS FOR
20 FT. AT ENDS OF BRIDGE.

SHEER STRAKE 4-4 x 13-10
20 BEYOND BRIDGE END DOUBLINGS
TO ½ LENGTH. 10 BETWEEN ½ & ¾ LENGTH.

QUADRUPLE RIV. OVERLAP BUTTS
FOR ½ LENGTH, TREBLE AT ENDS.
SHEER STRAKE DOUBLED AS
PER PROFILE AT ENDS OF BRIDGE.

12-9 + 20 FOR ½ LENGTH
OUTSIDE OF BRIDGE
BUTTS OVERLAPPED &
TREBLE RIVETTED.

12-9 + 20 BETWEEN PEAKS
FOR 25 SPACING.

12-9
20

DOUBLE STRINGER BARS FOR
LENGTH OF BOILER ROOM WELL
IN LIEU OF 3 ON FRAMES AS
REQUIRED BY VERITAS.

12-9 + 20 BETWEEN PEAKS
FOR 25 SPACING.

12-9 + 20 BETWEEN PEAKS
FOR 25 SPACING.

BILGE KEEL BULB 8 x 10
TEE BAR 6 x 4 x 20.

NOTE:- BUTTS OVERLAPPED & TREBLE RIV.
QUADRUPLE WHERE OVER RULE LIMITS,
FOR HALF LENGTH.

SHELL PLATING REDUCED 20 WHERE 20 & ABOVE
WITHIN RANGE OF DOUBLE BOTTOM, WHERE FLOORS
ARE FITTED TO EVERY FRAME.

MIDSHIP THICKNESSES TO BE MAINTAINED
FORWARD TO COLLISION BULKHEAD.

NOTE:- KEEL & GARB STRAKES ARE INCREASED
IN WIDTH & THICKNESS IN LIEU OF KEEL DOUBLING.

STRINGER PLATE 4-4 x 20
TO 3-2 x 20 AT ENDS
BRIDGE STRINGER ANGLE 3-2 x 3-2 x 20
POOP & FCLE 3 x 3 x 20
POOP DECK 16 IRON
BRIDGE DK. 16 IRON
FORECASTLE WOOD.
THIS STRAKE 16 IN WAY
OF E & B OPENINGS

UNDER 4-4-0
BEAMS AS PER PROFILE.

BEAM KNEES
AS PER PROFILE.

NOTE:- BULB ANGLE FRAMES
CARRIED TO BRIDGE DECK.

UPPER DECK 10
STRINGER PLATE 6-4 x 20 TO 4-3 x 20
QUADRUPLE RIVETTED
OVERLAP BUTTS.
FOR HALF LENGTH CLEAR OF BRIDGE.
BUTTS TREBLE RIV. IN WAY OF BULGE
& AT ENDS.

STRINGER ANGLES 3-2 x 3-2 x 20
11-10 THIS STRAKE 20 OR 16
IN WAY OF OPENINGS
4-2 x 4-2 x 20 IN WELLS

ZEES IN WAY OF HATCHES 8 x 3-2 x 3-2 x 20

UNDER 4-8-0
BEAMS AS PER PROFILE.

UPPER DECK
BEAM KNEES 3 TIMES
DEPTH OF BEAM AND
AS PER PROFILE.
ARCHED WEBS SPACED AS PER PROFILE
PLATE 9-8 FACE BAR 6-2 x 4-2 x 20

STRINGER PLATE 9-8
FACE BAR 6-2 x 4-2 x 20
SHELL CONNECTION 3-2 x 3-2 x 20
2 RIVETS TO FRAME. FRAME LUGS 4-2 x 3-2 x 20 TO 20

STRINGER PLATE 6-0 x 20 TO 4-3 x 20.
TREBLE RIV. OVERLAP BUTTS.
DOUBLE SHELL CONNECTION 3-2 x 3-2 x 20.
DOUBLE ANGLES 3-2 x 3-2 x 20.

GUSSETS TO HOLD BEAMS.

BULB ANGLE ON FACE
OF STRINGER 11 x 3-2 x 14-13
OF STRINGER 11 x 3-2 x 20.

BRACKETS ON ALTERNATE FRAMES
UNDER WIDE STRINGER, FLANGED TO STRINGER.
AND WHERE MARKED THUS * ON PROFILE TO BE
CONNECTED TO FACE BAR ON STRINGER.

ARCHED WEBS SPACED AS PER PROFILE:-
PLATE 9-8 FACE BAR 6-2 x 4-2 x 20.

STRINGER PLATE 9-8 SHELL CONNECTION 3-2 x 3-2 x 20
FACE BAR 6-2 x 4-2 x 20 2 RIVETS TO FRAME.
FRAME LUGS 4-2 x 3-2 x 20 TO 20.

TANK MARGIN PLATE 3-4 x 20, 10 IN BOILER ROOM.
BUTTS OVERLAPPED & DOUBLE RIVETTED.
OUTSIDE TANK BRACKETS 10.
CONNECTIONS TO TANK MARGIN PLATE
3-2 x 3-2 x 20 DOUBLE FORE & AFT.

GUSSET ANGLES 3-2 x 3-2 x 20 ON EVERY 4TH FRAME,
CLEAR OF WEB FRAMES
6 x 3-2 x 10 AT WEB FRAMES

BRACKETS 10.
SINGLE RIV. SEAM.

DOUBLE RIV. SEAM.

MANHOLES
21 x 18.

BRACKETS 10.
SINGLE RIV. SEAM.

DOUBLE RIV. SEAM.

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DOUBLE RIV. SEAM.

DECK PLATING NOT LESS THAN
1/20 OR 7/16 WHERE BEAMS
ON ALTERNATE FRAMES.
SEE VERITAS DECK PLAN.

10 SIDE COAMINGS 8/20 END COAMINGS
HATCHES 17-11 WIDE. WEB PLATES FITTED
AS PER PROFILE NO FORE & AFTERS.

6 x 6 x 20 AT SIDES & ROUND CORNERS
6 x 6 x 20 AT ENDS.

CHANNEL IN WAY OF HATCHES
6 x 3-2 x 3-2 x 20
OR EQUIVALENT ANGLES.
GIRDER BRACKETED TO HATCH END BEAMS
AND INTERCOSTALS.

3-1 RIVETS

ROUND OF BEAM
= 11-3/4

MAIN HATCH END BEAMS
PLATE 14 x 20 & 2 ANGLES
6 x 6 x 20.

PILLARS IN WAY OF HOLD BEAMS
3-4 DIA 10 TO 12 FT.
+ 1/2 AT HATCH ENDS & IN ADDITION
ASHIFTING BOARD PILLAR.

FRAMES:-
SPACED 24 IN PEAKS. 25 BETWEEN PEAKS
FRAMES 9 x 3-2 x 20 BULB ANGLES
FRAMES ON WEBS 9 x 3-2 x 20 BULB ANGLES WITH FACE BAR 6-2 x 4-2 x 20

AFTER END FRAME 5-2 x 3-2 x 20 GIRDER OR BULB ANGLES
" " REVERSE FR 4-2 x 3-2 x 20 6-2 x 3-2 x 20

FORE END BULB ANGLES 6-2 x 3-2 x 20 10-9
BOTTOM FRAMES ON WEBS 3-2 x 3-2 x 20 10-9
" " NOT ON " 6 x 3-2 x 20.

DOUBLE FORWARD
OF 3/8 LENGTH.

7-6
BULKHEADS 20 FLANGED, AS PER PROFILE.
BULKHEAD FRAMES 6 x 6 x 20
BULKHEAD CONNECTION TO TANK TOP 6 x 6 x 20
WITH 24 BRACKETS, TO STIFFENERS.

HOLD BEAMS AS PER PROFILE.
PLATE 13 x 20 4 ANGLES 6 x 4 x 20
A IN MAIN HOLDS

TANK:-
TANK WEBS ON ALTERNATE FRAMES
IN HOLDS 10.

ON EVERY FRAME IN ENGINE ROOM &
FORWARD OF 3/8 LENGTH 10.
INTERCOSTAL GIRDERS 10.
TANK TOP IN HOLDS 10. NO INTERMEDIATE STIFFERS
IN ENGINE ROOM 20.

NOT TANK IN BOILER SPACE { SEE SEPARATE SKETCH
OF ORDINARY BOTTOM.
TANK TOP BUTTS OVERLAPPED & DOUBLE RIVETTED.
TANK TOP REDUCED 20 WHERE FLOORS EVERY FRAME.
ALL CONNECTIONS IN DOUBLE BOTTOM 3-2 x 3-2 x 20
CONNECT NO IN BOILER ROOM (EXCEPT SHELL LUGS) 3-2 x 3-2 x 20.
DOUBLE REVERSE ONLY IN ENGINE SPACE
& ON ORDINARY FLOORS IN BOILER SPACE.

BALTIC PINE CEILING
2-2 THICK, LAID TO RULE.

3-1 RIVETS

DOUBLE RIV. SEAM

DOUBLE RIV. SEAM

DOUBLE RIV. SEAM

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DOUBLE RIV. SEAM

FORGINGS:-

STEM FRAME 11 x 6-3/4
STEM BAR 11 x 2-3/8
RUDDER HEAD 9 DIA. SINGLE
HEEL 6-3/4 DIA. PLATE
PINTLES 4-2 DIA. RUDDER.

SINGLE ROW PILLARS
IN ROOF & AT FORE END BRIDGE
2-3/4 DIA. 6 TO 8 FT.
2 STEEL F.R.A. BULKHEADS IN FCLE.
EQUAL TO PILLARS.

ROUND OF BEAM
= 11-3/4

MAIN HATCH END BEAMS
PLATE 14 x 20 & 2 ANGLES
6 x 6 x 20.

PILLARS IN WAY OF HOLD BEAMS
3-4 DIA 10 TO 12 FT.
+ 1/2 AT HATCH ENDS & IN ADDITION
ASHIFTING BOARD PILLAR.

PILLARS REELED TO SUIT
SHIFTING BOARDS 4-4 DIA. 22 TO 24 FT.
BUT 5-2 " 24 " 26 "
5-2 " 26 " 28 "
5-2 " 28 " 30 FT.

PILLAR LENGTHS
= TOP OF T BAR FEET
TO UNDERSIDE OF BEAM.

NO SHIFTING BOARDS FITTED.

PILLARS IN WAY OF HOLD BEAMS
4-4 DIA. 10 TO 12 FT.
4-2 " 12 TO 14 FT.
4-4 " 14 TO 16 FT.

PILLARS INCREASED 1/2 AT
HATCH ENDS & IN ADDITION
A SHIFTING BOARD PILLAR
TO BE FITTED.

TANK TOP CENTRE STRAKE
10-8
4-2 x 20 BUTTS OVERLAPPED
& DOUBLE RIVETTED.

3-2 x 3-2 x 20
CENTRE KEELSON 4-3 x 10-8 19
BUTTS OVERLAPPED & TREBLE RIVETTED.

C.K. CONNECTIONS 3-2 x 3-2 x 20, 20 IN BOILER
SPACE.
DOUBLE FOR 1/2 LENGTH
SINGLE AT ENDS.

4-2 x 4-2 x 12-11
20.

GARB STRAKE 5-4 x 14-12
(RULE 36 x 13-12)
20.

FLAT PLATE KEEL 4-2 x 20-13
(RULE 36 x 20).

BUTTS OVERLAPPED & QUAD. RIVETTED.
FOR 1/2 LENGTH TREBLE AT ENDS.

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Messrs J. L. Thompson & Co
734 + 5

Middlesex Section (as built)



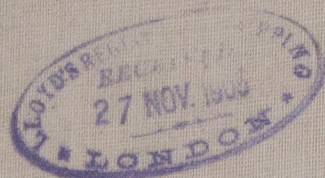
S.S. HECTOR

Ald. F. E. No. 22435

S.S. HECTOR

Ald. F. E. No. 22552

To be returned for
disposal



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