

# MIDSHIP SECTION.

S.S. "BOTHNIA."

LLOYDS 100 A.I. CLASS.

SCALE 1/2" = 1 FOOT.

## NUMERALS.

D. 22.5 d. 11.2  
D. L. (22.5 x 22.2) = 6570.  
(B + D) x L (44.5 + 22.5) x 22.2 = 19637.  
ERECTOR'S 55% OF L

## EQUIPMENT NUMERALS.

(B + D) x L = 19637.  
BRIDGE 18.62 x 7.75 x 75 = 748.  
FORECASTLE 23.25 x 7.75 x 75 = 164.  
CASING ETC 7.45 x 7.5 x 5 = 268.

EQUIPMENT NO 20817.

## PRINCIPAL DIMENSIONS.

LENGTH B.P. 222'0"  
BREADTH EXTREME 45'0"  
" MOULDED 44'9"  
DEPTH MID WATER DK. 22'6"  
DEPTHS TO LENGTH (UPPER DK.) 12'9.8  
" " " (BRIDGE) 9'6.5

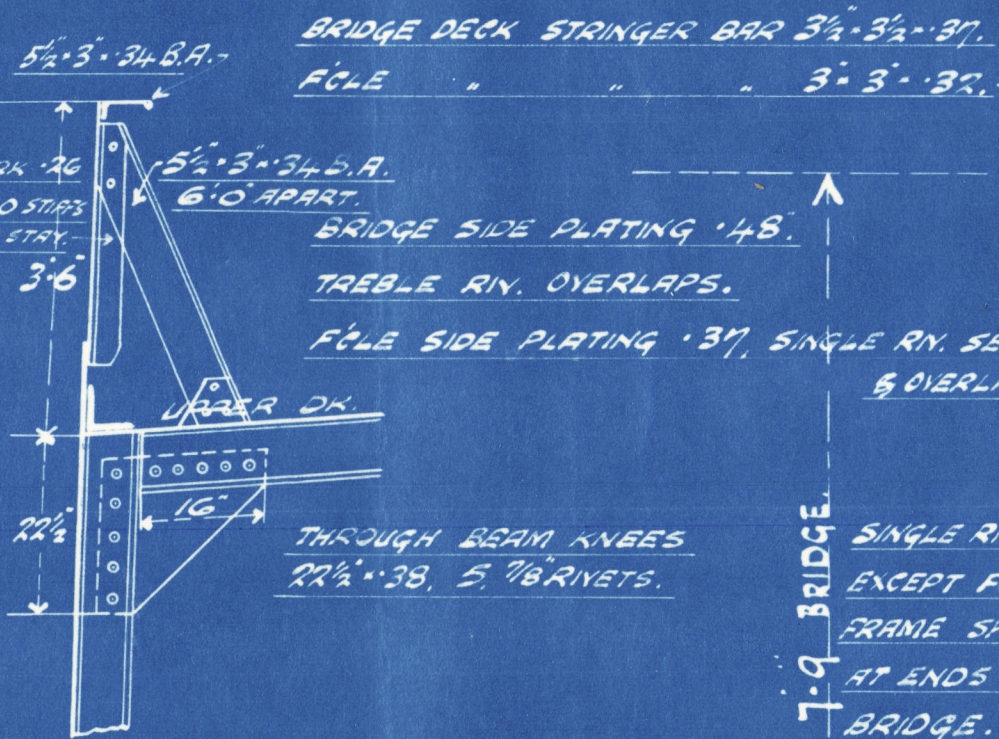
BRIDGE STRINGER 40" x 40 TREBLE RIV. OVERLAPS. SEE DECK PLAN.

F.C.E. 27" x 32 SINGLE.

SEE DECK PLAN.

BRIDGE DECK PLATING 3/4" 20" WITHIN LINE OF DECK OPENINGS. DOUBLE RIV. OVERLAPS.

FORECASTLE " " 26" SINGLE RIV. OVERLAPS. SHEATHED WITH WOOD.



STRINGER BAR 3 1/2" x 3 1/2" 36 TO 34 UNDER ERECTIONS 6'6" x 48 IN WELLS TO 1/2".  
INNER STRINGER BAR UNDER ERECTIONS 3 1/2" x 34".  
SHEERSTRAKE 60" TO 40, 1/4" IN WAY OF BRIDGE, INCREASED 50% AT BRIDGE ENDS. TREBLE RIV. OVERLAPS, QUADRUPLE WHERE PLATING OVER 60. DOUBLE AT ENDS WHERE 1/4" AND UNDER.

STRAKE BELOW SHEERSTRAKE 58" TO 40, 1/4" IN WAY OF BRIDGE, TREBLE RIV. OVERLAPS, DOUBLE AT ENDS WHERE PLATING 1/4" AND UNDER.

SIDE SHELL 49" TO 40  
TREBLE RIV. OVERLAPS  
DOUBLE AT ENDS, WHERE 1/4" AND UNDER.

BOSS PLATING 55

UPPER DECK 11 1/2"

THROUGH BEAM KNEES 38, 5 3/4 RIVETS.

34 INES WITH 3/4" FLANGE ON FACE OVER BULKHEADS 1/4" & 1/2"

3 1/2" x 3 1/2" 36 SINGLE ANGLE TO DECK.

UPPER DK STRINGER 1/4" 8" FROM WITHIN BRIDGE TO 35" x 38 AT ENDS 34 UNDER ERECTIONS.

INCREASED 50% AT BRIDGE ENDS. (SEE DECK PLAN)

TREBLE RIV. OVERLAPS FOR 1/4" WITH DOUBLE AT ENDS AND IN BRIDGE.

DECK JOGGED IN WAY OF BRIDGE ONLY.

1/2" BEAMS AS PER PROFILE & DECK PLAN.

THROUGH BEAM KNEES 38, 5 3/8 RIVETS.

8 1/2" x 3 1/2" 42, 25 1/2" x 42, 6 1/8 RIVETS.

1/2" BEAMS AS PER PROFILE & DECK PLAN.

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THROUGH BEAMS 7 1/2" x 36 B.A.

UPPER DECK PLATING 3/8 TO 30 AS PER DECK PLAN.

35 TO 30 WITHIN LINE OF DECK OPENINGS, 20" IN BRIDGE.

DOUBLE RIV. OVERLAPS FOR 1/4" WITH SINGLE AT ENDS.

PLATING INCREASED IN WAY OF 24" HATCHES, AS PER DECK PLAN.

DECK JOGGED IN WAY OF BRIDGE ONLY.

1/2" BEAMS AS PER PROFILE & DECK PLAN.

THROUGH BEAMS CLEAR OF BRIDGE 7 1/2" x 37 B.A. KNEES 22 1/2" x 38, 5 3/8 RIVETS.

8 1/2" x 3 1/2" 42, 25 1/2" x 42, 6 1/8 RIVETS.

1/2" BEAMS AS PER PROFILE & DECK PLAN.

THROUGH BEAMS 8 1/2" x 3 1/2" 42 B.A. & AS PER DECK PLAN.

2ND DECK PLATING 30

DOUBLE RIV. OVERLAPS FOR 1/4" WITH SINGLE AT ENDS.

1/2" BEAMS AS PER PROFILE & DECK PLAN.

THROUGH BEAMS 8 1/2" x 3 1/2" 42 B.A. & AS PER DECK PLAN.

2ND DECK 11 1/2"

THROUGH BEAM KNEES 1/4" 8" FROM WITHIN BRIDGE TO 35" x 38 AT ENDS 34 UNDER ERECTIONS.

INCREASED 50% AT BRIDGE ENDS. (SEE DECK PLAN)

TREBLE RIV. OVERLAPS FOR 1/4" WITH DOUBLE AT ENDS AND IN BRIDGE.

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SUNDERLAND

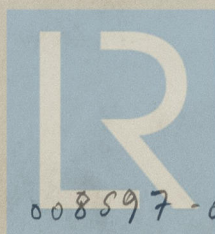
JOS. L. THOMPSON & SONS, LD.

S. S. No. 562

S. S. "BOTHNIA"

MIDSHIP. SECTION  
(AS BUILT).

SUNDERLAND RPT. NO. 29435



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