

ENGINE & BOILER CASING					
DECK	COAMING	SIDE	TOP	DECK	STIFFENERS TO BEAM
PLATE	PLATE	PLATE	PLATE	ANGLE	SPACE 760 APART
BOAT	8	7	6	75° 75' 12"	100° 75' 10"
BRIDGE	8	7	7	75° 75' 12"	75° 75' 10"
UPPER	8	7	7	75° 75' 12"	75° 75' 10"

PRINCIPAL DIMENSIONS

LENGTH BETWEEN PP	77' 5.30
BREADTH MOULDED	12' 8.00
DEPTH	7' 4.00
FOUR DECK HEIGHT	2' 3.00
BRIDGE	
POOP	
TWEEN	2' 3.00
PROPORTION	11.98
	183
d TO UPPER DK	6' 1.60
d TO LOWER DK	3' 2.60

CLASS LLOYD'S 100A1
STRENGTHENED FOR NAVIGATION IN ICE

SCANTLING NUMERALS

$L \times D = 77.53 \times 7.00 = 542.71$
$L \times (B+D) = 77.53 \times (12.80 + 7) = 1535$
STEM, STERN FRAME & RUDDER AS PER PLAN

EQUIPMENT NUMERALS & EQUIPMENTS

$L \times (B+D) = 77.53 \times (12.80 + 7) = 1535$	
FILE	$= \frac{1}{2} \times 2386 \times 2.30 = 27.99$
BRIDGE	$= \frac{1}{2} \times 2386 \times 2.30 = 27.99$
POOP	$= \frac{1}{2} \times 2386 \times 2.30 = 27.99$
BRIDGE DK HOUSE	$= \frac{1}{2} \times 2040 \times 2.20 = 22.51$
BOAT DK HOUSE	$= \frac{1}{2} \times 37 \times 2.20 = 4.07$
TOTAL	103.55
EQUIPMENTS	
3 - BOW ANCHORS	STOCKLESS 1710 kg
1 - STREAM ANCHOR (RIV. STAIN)	270 kg
CHAINCABLE (STUD LINK CHAIN) 44' 44' 44'	
STEEL ROPE FOR STREAM ANCHOR 102' 135M	
TOWLINE (S.W.R.)	8" 90' 165M
HAWERS (HEMP ROPE)	2 - 152' 165M
WARPS (")	2 - 127' 165M

DECKS

DECK	STRINGER	PLATE	RIV. OR BUTTLAP	STRINGER ANGLE	DECK PLATE	INSIDE LINE RIV. OR BUTTLAP
	1/2 L	ENDS		1/2 L	ENDS	
FILE DK	660 x 8		1 RIV	75° 75' 12"	8	1 RIV
BRIDGE DK	1120 x 9		2 RIV	75° 75' 12"	8	2 RIV
POOP DK	660 x 8		1 RIV	75° 75' 12"	8	1 RIV
UPPER DK	1145 x 12	265 x 5	3-2 RIV	130° 132' 12"	300 x 300 x 10	2 RIV
UNDER BOW	1030 x 9		2 RIV	75° 75' 12"	8	2 RIV
UPPER DK	1030 x 9		2 RIV	75° 75' 12"	8	2 RIV
2ND DK	1030 x 9	735 x 9		75° 75' 12"	8	2-1 RIV

BULWARK

PLATE	6
TOP RAIL	150 x 75 x 8 B.A.
STAY	6 mm PL. 1200 x 1200
TO SHELL A	60 x 65 x 6 A
TO DK A	100 x 75 x 10 A

DOUBLE BOTTOM

DESCRIPTIONS	1/2 L	ENDS	BOILER ROOM ENG. ROOM	IN ROOM	RIVETS BUTTLAP
CENTRE GIRDER	800 x 11	2	14	11	3 RIV
SIDE GIRDER	8	8	11	9	
ADDITIONAL SIDE GIRDER 1/2 L FORWARD & ENGINE SPACE AS PER PLAN					
MARGIN PLATE	735 x 10	10	14	10	2 RIV
MIDDLE	1145 x 10	9	14	10	2 RIV
UNDER MAIN ENG					
PLATE OTHERS	9	8	14	10	2-1 RIV
SOLID FLOOR	9	7	11	7	
W.T. FLOOR	ALL	11			
TANK SIDE BRACKET	10	10	12	10	
SKELETON FLOOR BKE TO C.B. & MARGIN PL.	9	9	11	9	
GUSSET PL.	650 x 7	9	11		75% FILL EVERY FR. 1/4" EVERY 1/2" IN MACH. SPACE 1/2" BOW & STERN

SHAPES

DESCRIPTIONS	1/2 L	ENDS	BOILER ROOM	ENGINE ROOM
CENTRE GIRDER	800 x 11	2	14	11
SIDE GIRDER	8	8	11	9
ADDITIONAL SIDE GIRDER	1/2 L FORWARD & ENGINE SPACE AS PER PLAN			
MARGIN PLATE	735 x 10	10	14	10
MIDDLE	1145 x 10	9	14	10
UNDER MAIN ENG				
PLATE OTHERS	9	8	14	10
SOLID FLOOR	9	7	11	7
W.T. FLOOR	ALL	11		
TANK SIDE BRACKET	10	10	12	10
SKELETON FLOOR BKE TO C.B. & MARGIN PL.	9	9	11	9
GUSSET PL.	650 x 7	9	11	

SKELETON FLOOR (SOLID FLOOR FITTED ON EVERY 4 FRAME)
MAIN & REV FRAMES 180 x 75 x 1/2 CHANNEL
BATTEN & STIFFENERS CONNECTING ANGLE SIMILAR AS ABOVE

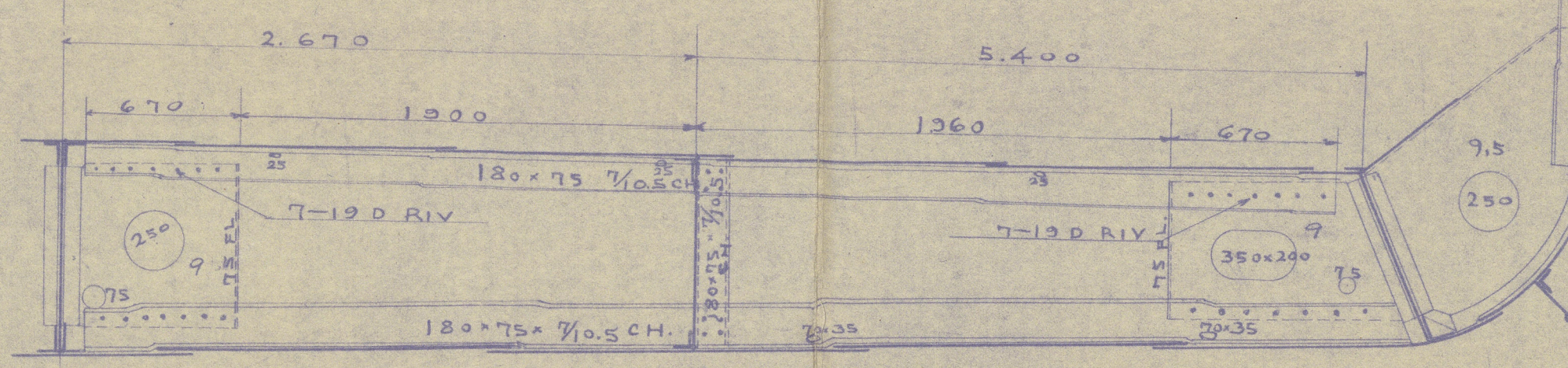
BILGE KEEL

B. PLATE	250 x 9
ANGLE	75° 75' 12"
DEPTH	250

KEEL AND SHELL PLATES

DESCRIPTIONS	1/2 L	ENDS	RIV. OR BUTTLAP
FLAT PLATE KEEL	1120 x 16	14	3 RIV
BOTTOM STRAKE	12	10	3-2 RIV
13.2 FOR STRAKES OF FLAT OF FLOORS 1/2 L FORWARD			
SIDE STRAKE	12		3 RIV
STRAKE BELOW SHEER STRAKE	13		2 RIV
SHEER STRAKE	1155 x 14	10	
BOSS PLATE	14		3 RIV
FILE SIDE STRAKE	7		1 RIV
POOP	8		1 RIV
LONG BRIDGE SIDE STR	11		3 RIV
FORE END OF DKE	1.8		SEE SHELL PLAN

INCREASED TO 20 AT BREAK OF BRIDGE FORWARD



SN 106

MIDSHIP SECTION
as built

S.S. "NERVO" N.A.W.
Shimonoseki Report No. 4359.

SCALE 25

MATSUBI DOCKYARD & ENGINE WORKS NAGASAKI
DRAWN BY
TRACED BY
CHECKED BY
DATE AUG 13 1938

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SNº106

MIDSHIP
SECTION

S.S. "JENRYO MARU".

Shimonoseki Report No.2369.

SCALE

as built
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MATSUO
DOCKYARD & ENGINE WORKS
NAGASAKI

DRAWN BY

TRACED BY

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Hiwata

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