

# Nº 343. (BENGAL MARU.)

## MIDSHIP SECTION.

SCALE 1/2 INCH TO ONE FOOT.

400'-0" x 54'-6" x 30'-0"

SCANTLING NUMERALS	
B.	54.5
D.	+ 30.0
L.	84.5 TRANSVERSE NO.
L.	X 400.0 LONGITUDINAL NO.
L.	33800.0
L.	TO UPPER DE. 13.3
L.	TO BRIDGE DE. 10.6
d.	10-28 (IF TAKEN OVER RULE)
d.	18-0 (IF TAKEN OVER RULE)

EQUIPMENT NUMBER	
(B+D) x L	33,800.0
POOP	3/4 x 38.75 x 7.75 225.2
BRIDGE	3/4 x 121.0 x 7.75 703.3
POLE	3/4 x 40.25 x 7.75 225.4
DK. HOUSE	1/2 x (50.75 x 27.5) x 7.75 338.1
EQUIPMENT NO.	35,293.0
EQUIPMENT AS PER RULE	

FORGINGS & CASTINGS	
STEM	10" x 2 1/2" FORGED STEEL
STERN FRAME	CAST STEEL WITH WAGON RAILS AS PER PLAN
RUDDER	FORGED STEEL (SINGLE PLATE TYPE) AS PER PLAN

FRAMINGS	
FRAME SPACE	24" IN BOTH PEAKS
	27" FROM FORWARD OF 3/5 L. TO COL. BHD
	33" IN OTHERS
IN PEAKS	8" x 3 1/2" x 5.0 B.A. WITH REVERSE FRAME
IN WAY OF 33 F.S.	3 1/2" x 3 1/2" x 4.0 A. TO 2ND DECK
IN WAY OF 27 F.S.	8" x 3 1/2" x 5.0 B.A. WITH REVERSE FRAME
IN WAY OF 27 F.S.	3 1/2" x 3 1/2" x 4.0 A. TO 2ND DECK
IN WAY OF 27 F.S.	8" x 3 1/2" x 5.0 B.A. WITH REVERSE FRAME
IN WAY OF 27 F.S.	3 1/2" x 3 1/2" x 4.0 A. TO 2ND DECK

RIVETING	
END CONNECTION	IN WAY OF BRIDGE
FLAT KEEL PLATE	LAPPED & AR (3" FOR 7/8 UNDER)
BOTTOM PLATING (A-E)	4R 3R
SIDE PLATE (F-J)	2R 3R 4R 5R
STRAKE BELOW (L)	4R (3R FOR 7/8 UNDER)
SHEER STRAKE (M)	5R (3R FOR 7/8 UNDER)
STRAKE BELOW (N)	LAPPED & AR
BRIDGE SHEER STRAKE (O)	4R 3R
TANK TOP M.L. STRAKE	3R (2R FOR 7/8 UNDER)
TANK TOP PLATE	2R 1R
MARGIN PLATE	3R 3R
CENTRE GIRDER PLATE	3R 3R
BRIDGE DE. STRINGER PL.	3R
UPPER DE. STRINGER PL.	4R (3R FOR 7/8 UNDER)
2ND DE. STRINGER PL.	3R (3R FOR 7/8 UNDER)
BOSS PLATE	4R
FRAME DE. SIDE PLATE	2R
STRINGER PL.	2R
PLATE	1R
POOP DE. SIDE PLATE	2R
STRINGER PL.	2R
PLATE	1R

EDGE CONNECTION	
SHELL LANDING	2R ALL FORE & AFT INCLUDING SHEER STRAKE
TANK TOP M.L. STRAKE 2R. ALL FORE & AFT	
TANK TOP PL. & MARGIN PL.	
DE. STRINGER PL. TO DE. PL.	1R
DE. PLATE TO DE. PLATE	1R
FRAME TO SHELL CONNECTION	
INF. & A. PEAK TANKS	5 1/2 D. 7/8"
AT 33 F.S.	5 1/2 D. 1"
IN DOUBLE BOTTOM FORWARD OF 3/5 L.	5 1/2 D. 7/8"
AT 27 F.S.	6 D. 7/8 & 3/4"
REVERSE FRAME TO TANK TOP CONNECTION	
IN WAY OF 33 F.S.	6 D. 3/4"
OTHERS	7 D. 3/4"
BEAM TO DE. CONNECTION	
IN WAY OF 33 F.S.	6 D.
BEAM TO ACT. FRAME	6 D.
OTHERS	7 D.

POOP & FORECASTLE DECK	
BEAM	POOP DE. 8" x 2 1/2" x 5.0 B.A. FORECASTLE DE. 8" x 2 1/2" x 5.0 B.A.
KNEE	2 1/2" x 4.0"
STRINGER PL.	3 1/2" x 3 1/2" x 4.0"
ANGLE	3 1/2" x 3 1/2" x 4.0"
SIDE PLATING	3 1/2" x 3 1/2" x 4.0"
STEEL DE.	3 1/2" x 3 1/2" x 4.0"
WOOD DE.	NO WOOD PLANK 3" WOOD PLANK

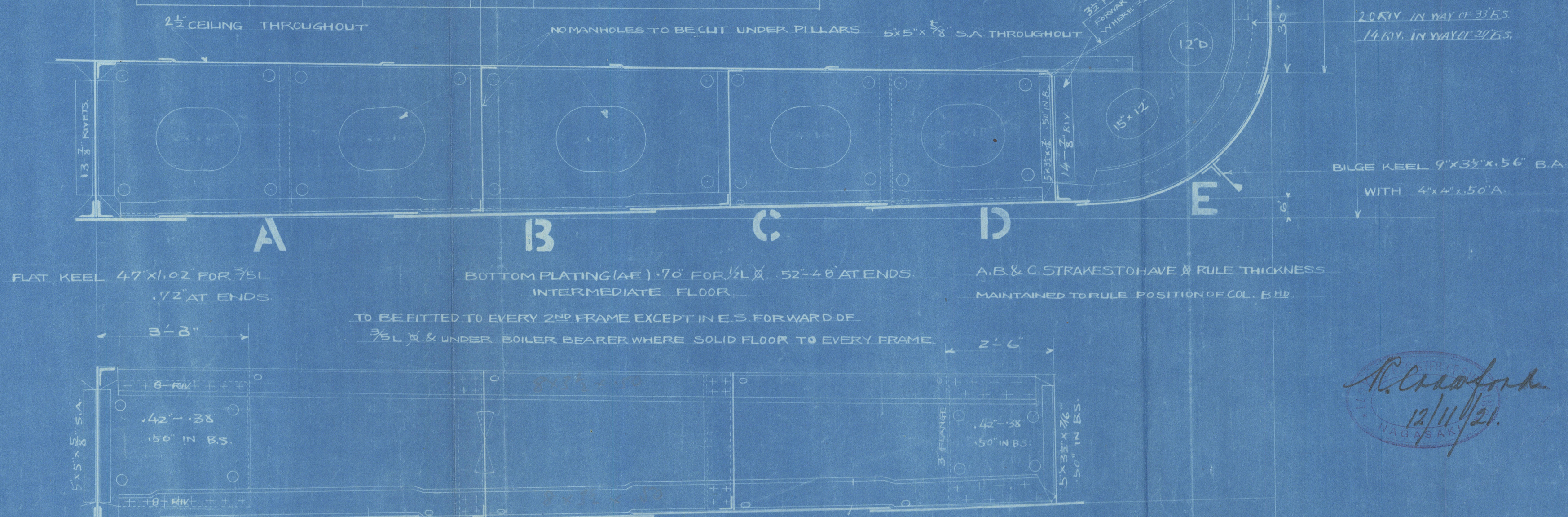
BOAT DECK	
BEAM	SPACED ABOUT 4'-6" APART 6' x 3' x 4' B.A.
KNEE	12" x 3 1/2"
STRINGER PL.	18" x 3 1/2"
DE. PLATE	18" x 3 1/2"
WOOD PLANK	2 1/2" WOOD PLANK

BRIDGE DECK	
BEAM	EVERY FRAME 8' x 3 1/2" x 5.0 B.A. (2 ROW SIZE)
KNEE	2 1/2" x 4.0"
STRINGER PL.	6' x 4.0" FOR 1/2 L. 35' x 4.0" AT ENDS
ANGLE	4" IN WAY OF BRIDGE
STEEL DE.	5' x 5' x 1/2"
WOOD DE.	NO WOOD PLANK WHERE EXPOSED

UPPER DECK	
BEAM	EVERY FRAME 8' x 3 1/2" x 5.0 B.A. (2 ROW SIZE)
KNEE	2 1/2" x 4.0"
STRINGER PL.	6' x 4.0" FOR 1/2 L. 35' x 4.0" AT ENDS
ANGLE	4" IN WAY OF BRIDGE
STEEL DE.	5' x 5' x 1/2"
WOOD DE.	NO WOOD PLANK

2ND DECK	
BEAM (33 F.S.)	EVERY FR. 8' x 3 1/2" x 5.0 B.A. (2 ROW SIZE)
(27 F.S.)	8' x 3 1/2" x 5.0 B.A. (2 ROW SIZE)
KNEE (33 F.S.)	2 1/2" x 4.0"
(27 F.S.)	2 1/2" x 4.0"
STRINGER PL.	4' x 4.0" FOR 1/2 L. 35' x 4.0" AT ENDS 4" IN WAY OF BR.
ANGLE	4" PLANGE OF STRINGER PLATE 3 1/2" x 3 1/2" AT ENDS
STEEL DE.	5' x 5' x 1/2" FOR 1/2 L. 35' x 4.0" AT ENDS
WOOD DE.	NO WOOD PLANKING

DOUBLE BOTTOM	
FOR 1/2 L. 35'	AT ENDS
CENTRE GIRDER	4' x 3' x 5.0" 4.0" 1.0"
SIDE GIRDER	4.0" 3.0" 1.0"
TOP ANGLE	3 1/2" x 3 1/2" x 4.0" 7.0" 1.0"
VERT. ANGLE	4.0" 3.0" 1.0"
BOTTOM ANGLE	4.0" 3.0" 1.0"
GLASS PLATE	4.0" 3.0" 1.0"
FRAME ANGLE	3 1/2" x 3 1/2" x 4.0" 7.0" 1.0"
REVERSE ANGLE	4.0" 3.0" 1.0"
TANK TOP	4' x 3' x 5.0" 4.0" 1.0"
M.L. STRAKE	4.0" 3.0" 1.0"
TANK TOP PLATE	4.0" 3.0" 1.0"
MARGIN PLATE	3 1/2" x 3 1/2" x 4.0" 7.0" 1.0"
ANGLE	4' x 4' x 5.0" 5.0" 1.0"
CENTRE GIRDER	5' x 5' x 5.0" 5.0" 1.0"
BOTTOM ANGLE	5' x 5' x 5.0" 5.0" 1.0"
TOP ANGLE	5' x 5' x 5.0" 5.0" 1.0"
VERT. ANGLE	5' x 5' x 5.0" 5.0" 1.0"



MITSUBISHI  
ZOZEN KAISHA, LTD.  
NAGASAKI WORKS  
SHIP DESIGNERS OFFICE, A.

DRAWN BY  
TRACED BY  
CHECKED BY  
APPROVED BY  
DESIGNERS OFFICE NO. 17835  
DATE OCT. 15 1921  
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"Bengal Maru"

Midship Section.

Sp. No. 343.

Mitsubishi Zosen Kaisha.

Yokosuka Report No. 1338.



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