

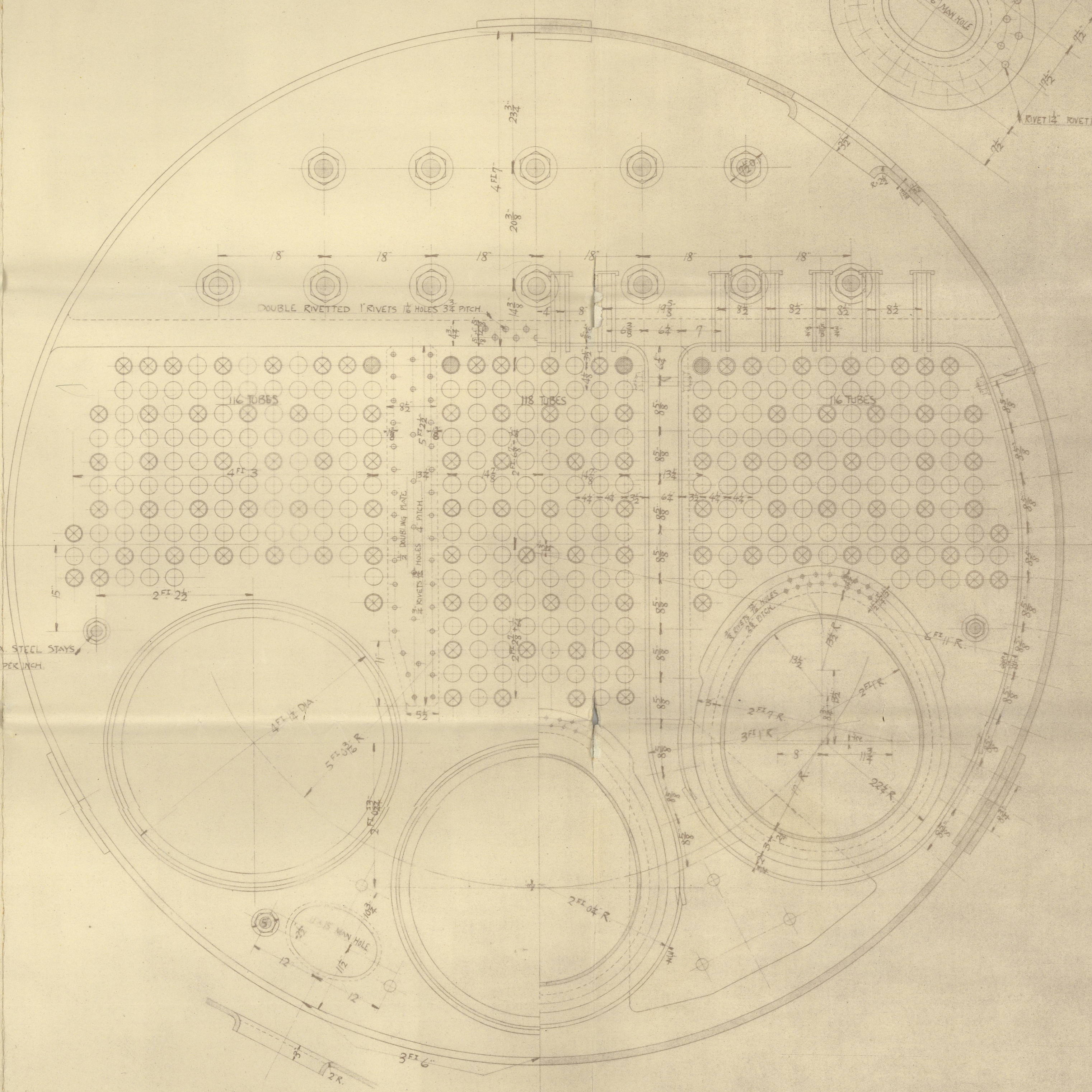
LONGITUDINAL SEAM

DOUBLE BUTT STRAP TREBLE RIVETING	
THICKNESS OF SHELL PLATE	1 1/2
OUTER BUTT STRAP	1
INNER	1 1/2
DIA. OF RIVET	1 1/2
HOLE	1 5/8
1/2 OF PLATE	85.7
1/2 OF RIVET	84.9

SCREW STAYS

MARKS	DIA.	NO. FOR ONE BOILER
●	2 1/2	4
○	3 1/2	32
○	1 1/8	42
○	1 1/8	120

ALL SCR 9 THREADS PER INCH



PARTICULARS

MEAN DIA. OF BOILER	15 FT. 6"
LENGTH	11 FT. 6"
INSIDE DIA. OF FURNACE	3 FT. 8 1/2"
LENGTH OF FIRE BARS	5 FT. 6"
HEATING SURFACE IN TUBES	2095.01 #
C. CHAMBERS	291.11 #
FURNACES	152.41 #
TOTAL H.S. IN ONE BOILER	2539.53 #
G.A.	61.19 #
HEATING SURFACE IN THREE BOILERS	7618.59 #
GRATE	183.56 #
RATIO H.S. TO G.A.	41.5 #
TEST PRESSURE	360 LBS./SQ. IN.
WORKING	180 LBS./SQ. IN.

THICKNESS

SHELL PLATE	1 1/2
INSIDE BUTT STRAP	1 1/2
OUTSIDE	1
TOP END PLATES	1 1/2
BACK BOTTOM	1 1/2
FRONT TUBE PLATE	1 1/2
BACK	1 1/2
C. CHAMBER BACK	1 1/2
C.C. TOP + SIDE	1 1/2
C.C. BOTTOM	1 1/2
FURNACES	1 1/2
MAN HOLE CUM. PLATE	1 1/2
DOUBLING PLATES	1 1/2
GIRDER STAY	1 1/2

TENSILE STRENGTH

SHELL PLATE	28 TO 32 TONS
BUTT STRAPS	
GIRDER PLATES	
OTHER PLATES	26 - 30
SOLID STEEL STAYS	28 - 32
SCREW STAYS	26 - 30
FURNACES	
RIVET BARS	

3-SETS EACH.

N<sup>OS</sup> 65&66.  
STEEL MAIN BOILERS.  
SCALE 1" TO 1 FOOT.



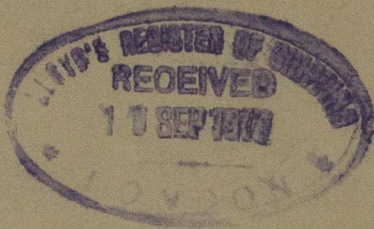
*H. Link*

*M. Morison*  
21st May 1915

0333-0092



For other plans  
Copies with 50.



Original

NOS. 65 & 66 SHIP	
STEEL MAIN BOILERS.	
S. S. "Ayaka Maru"	
Robt Rpt No. 2005.	
MITSU BISHI DOCKYARD & ENGINE WORKS, KOBE.	
Drawing No.	11408.
Date	2 JUN 1915

W333 - 0092



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