

MATERIAL
TUBES WROUGHT IRON
PLATES & BARS MILD STEEL

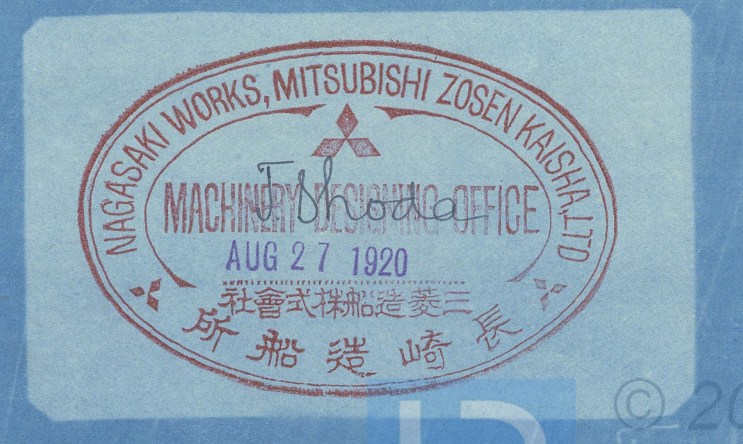
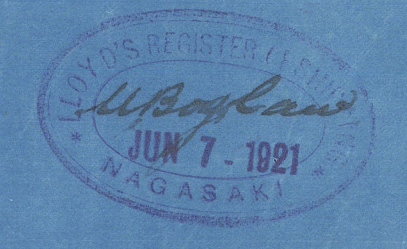
STRENGTH OF SHELL (DOUBLE BUTT TREBLE RIVET)	
THICKNESS OF SHELL PLATE	1 1/8
INSIDE BUTT STRAP	1 1/2 DIA 1 1/2
OUTSIDE	1 1/2 DIA 1 1/2
DIA OF RIVET	1 1/2
OF RIVET HOLE	1 1/2
% OF SHELL PLATE	85.0
% RIVET	95.6
% PLATE & RIVET	87.12
ALLOWABLE PRESSURE	214.77 - 25.6
	(AT 28° STRESS)

PARTICULARS	
INSIDE DIAMETER OF SHELL	117' 6"
MEAN LENGTH	117' 6"
INSIDE DIA OF FURNACE	30' 6"
LENGTH OF FIRE BAR	5' 6"
TOTAL GRATE SURFACE	57.75 SQ FT
HEATING SURFACE OF FURNACE	149.0 SQ FT
" " COMB CHAMBERS	247.0 SQ FT
" " TUBES	2017.0 SQ FT
TOTAL HEATING SURFACE	2473.0 SQ FT
RATIO H.S. - G.S.	41.183

STRENGTH OF SHELL PLATE = 28 TONS TO 32 TONS.

NAGASAKI WORKS, MITSUBISHI ZOSEN KAISHA LTD.

No. 342.
MAIN BOILER.
SCALE 1 INCH = 1 FOOT.



MAIN BOILER.

s. s. No.3 4 2.

Mitsubishi Zosen Kaisha, Ltd.,

Nagasaki, Report No.1324.



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Lloyd's Register

Foundation
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