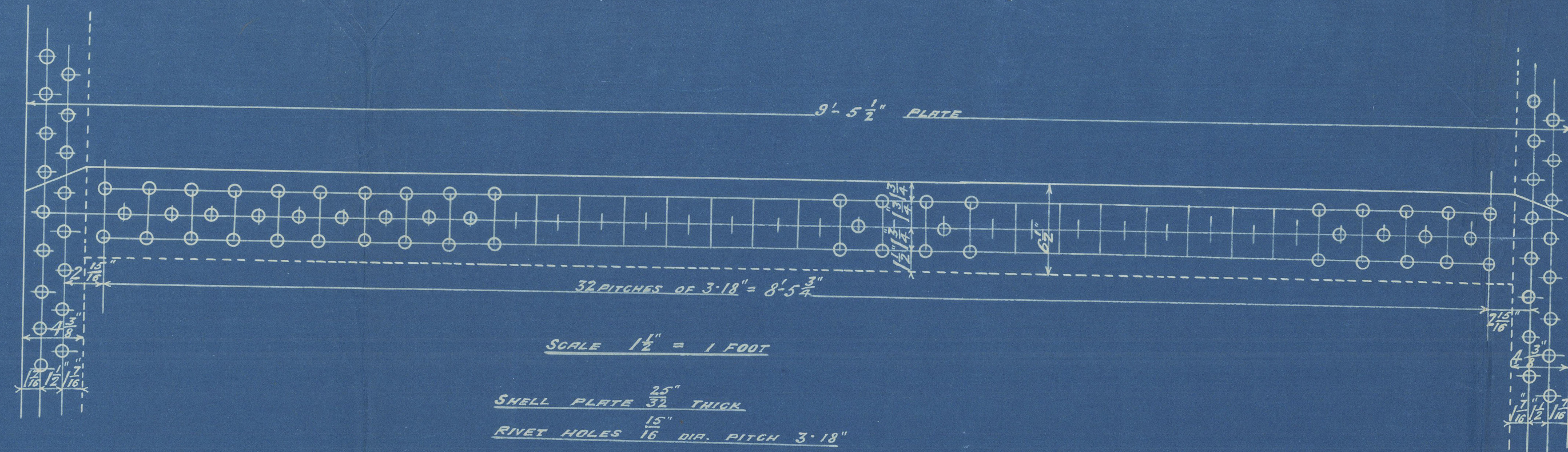


THICKNESS		
SHELL	STEEL	2 1/2"
TOP ENDS FRONT & BACK	"	7"
FRONT TUBE PLATE	"	3"
BACK " "	"	2 1/2"
" BOTTOM PLATE	"	2 1/2"
FIREBOX BACK	"	1 1/2"
" TOP & SIDES	"	1"
" BOTTOM	"	1"
FURNACES	"	1 1/2"
GIRDERS	"	3"
MANHOLE DOUBLING	"	2 1/2"

SURFACES ETC.	
158 TUBES AT 6.032 IN. PER TUBE	953 1/2
FURNACES	78
FIREBOXES	162
TOTAL HEATING SURFACE	1191 1/2
GRATE AREA AT 5' 3" BARS (ONE LENGTH)	37.2 1/2
TUBE AREA	9.12
WATER " "	103 1/2
STEAM SPACE	238 1/2
RATIO GRATE AREA TO HEATING SURFACE	1:32.1
" " " TUBE	1:25.6
" " " AREA	1:47.1
" " " WATER	1:2.78
" " " STEAM SPACE	1:6.4
% BOILER ABOVE FIREBOX	30.5%
WEIGHT OF WATER	14 TONS

21/11/05

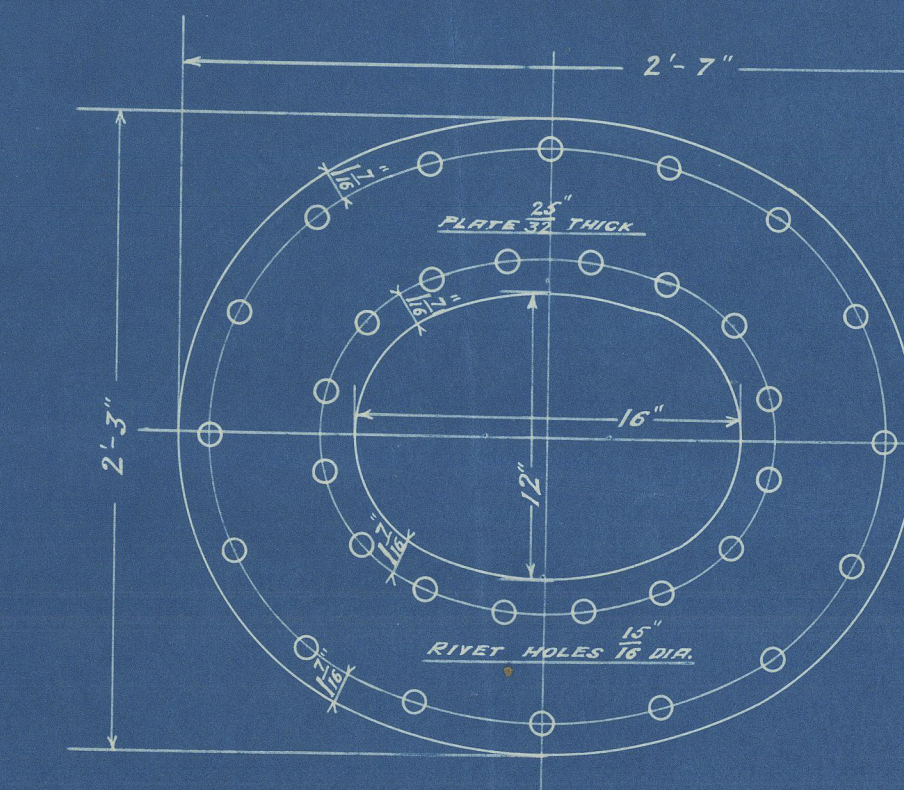
BACK END SEAM  
172 PITCHES OF 2.64



SCALE 1 1/4" = 1 FOOT

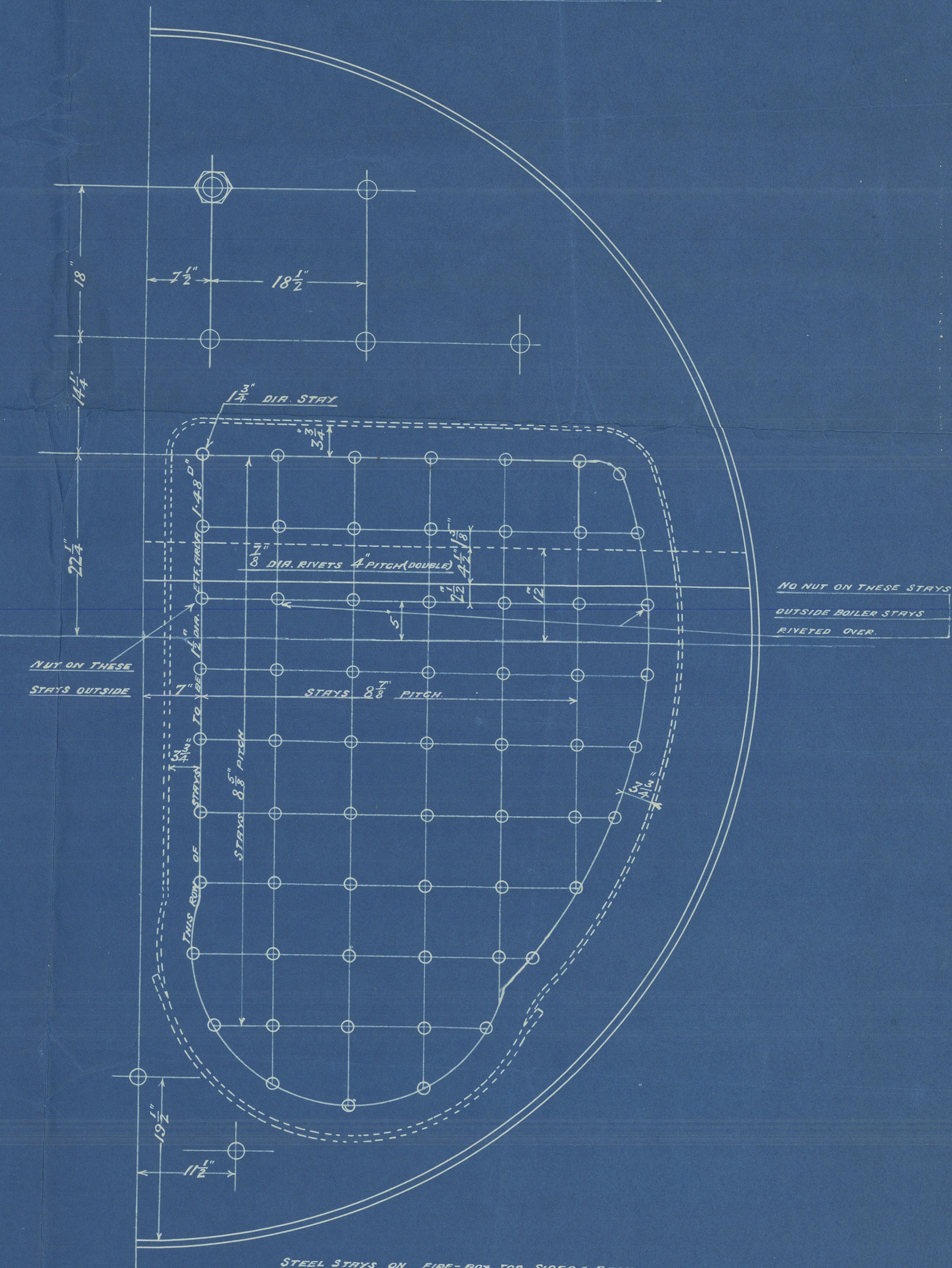
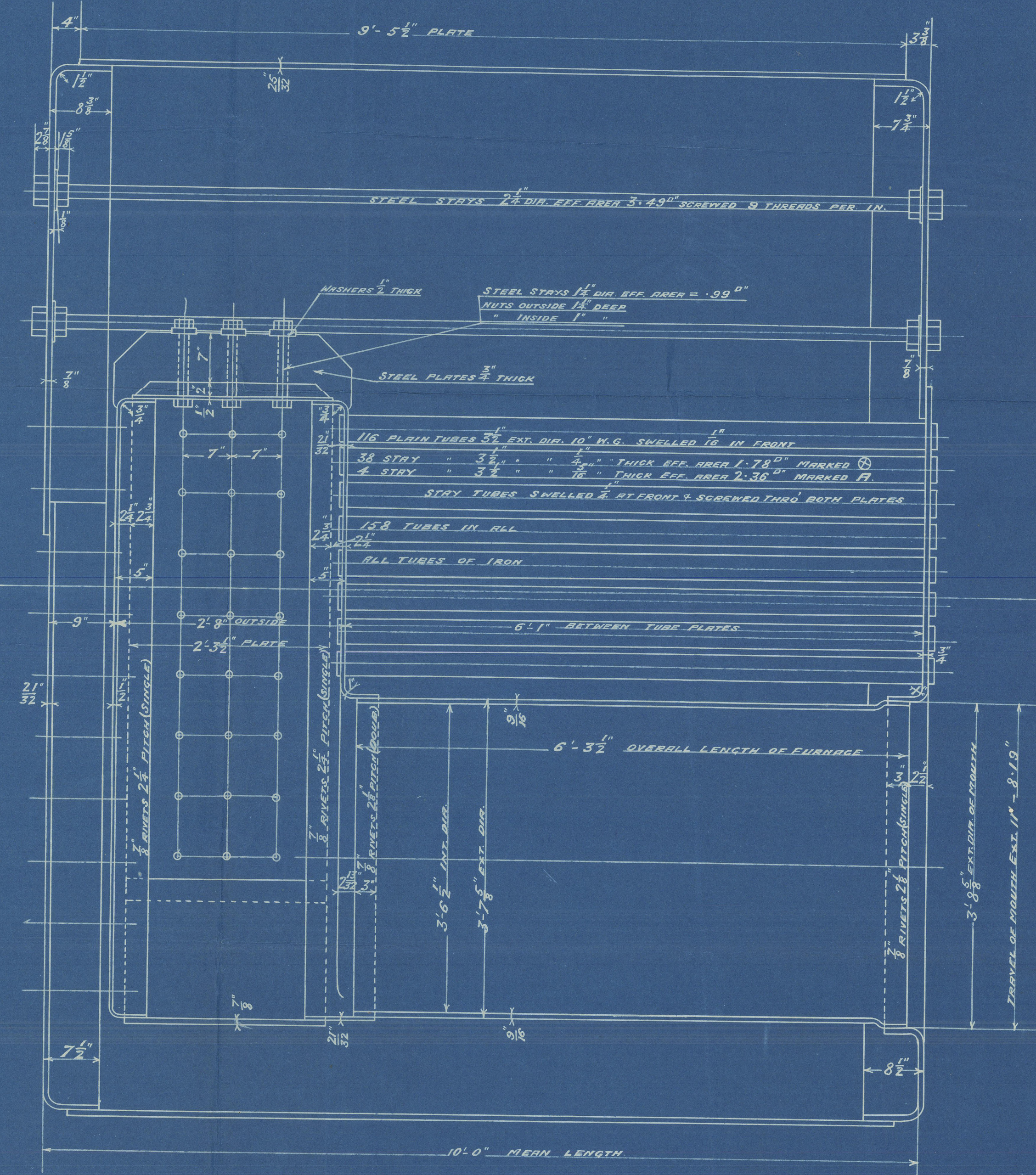
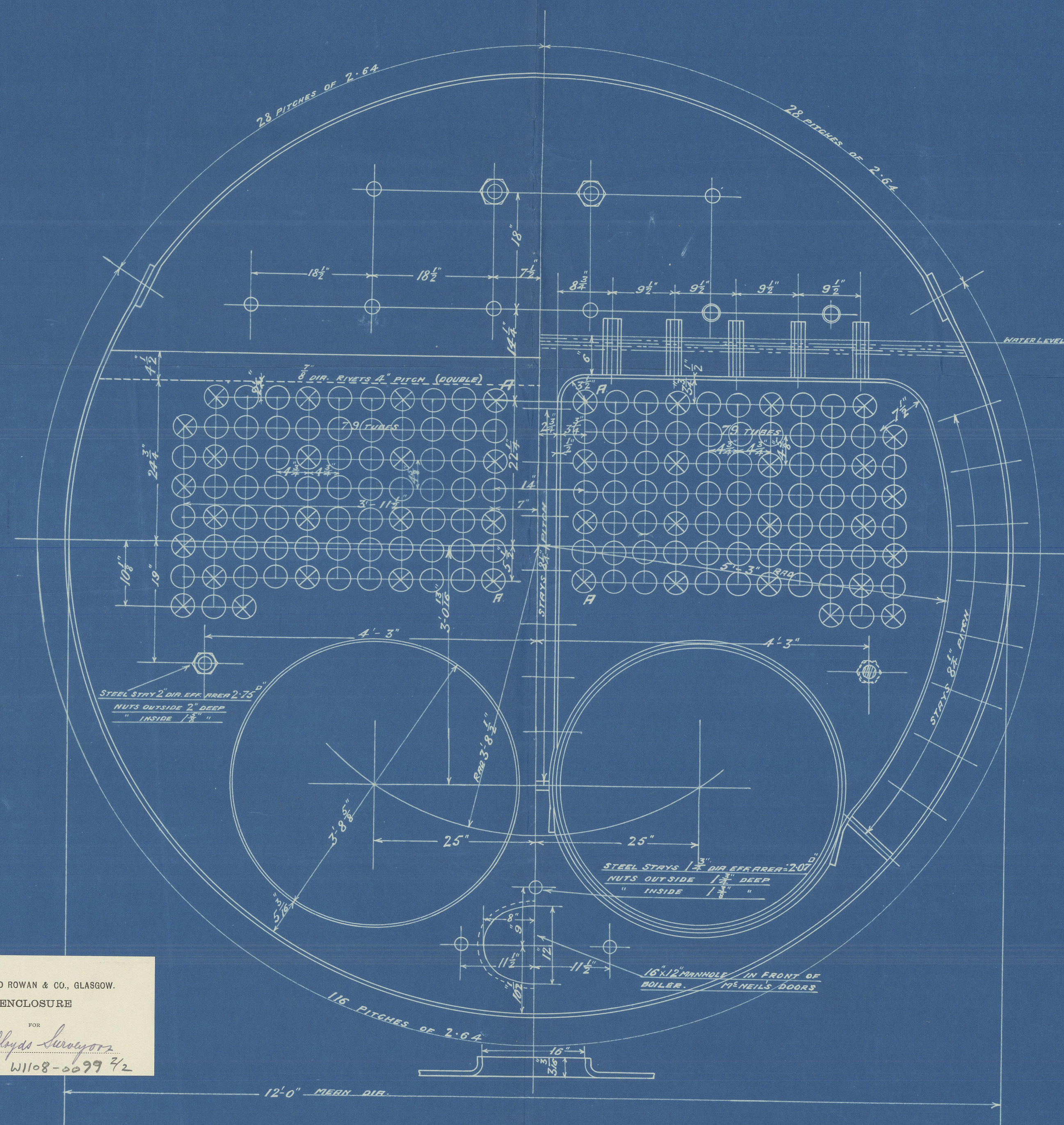
SHELL PLATE 3/8" THICK  
RIVET HOLES 1 1/2" DIA. PITCH 3.18"  
ALL PLATES 4.0MM OF STEEL  
ALL HOLES DRILLED IN PLACE

	LONG & SHORT	END SEAM	END SEAM
DIA OF RIVET	1 1/2"	1 1/2"	1 1/2"
PITCH	3.18"	2.64"	2.64"
% PLATE	70.5	62.6	64.6
% RIVET	70.8	58.7	58.7



SHELL MANHOLE COMPENSATING PLATE  
SCALE 1 1/4" = 1 FOOT

TENSILE STRENGTHS	
SHELL	28 TO 32 TONS PER Q"
OTHER PLATES	26 " 30 " " "
MAN STEPS	27 " 32 " " "
SCREW	26 " 30 " " "
FURNACES	26 " 30 " " "
RIVET BARS	26 " 30 " " "



STEEL STAYS ON FIRE BOX FOR SIDES & BACK  
1 1/2" DIA. EFF. AREA = 93 Q"  
OUTER ROW FIRE BOX BACK 1 1/2" DIA.  
EFF. AREA = 1.48 Q"  
NUTS ON ALL STAYS 1" DEEP  
ALL STAYS SCREWED THRU BOTH PLATES  
WITH NUTS ON EACH END

# DONKEY BOILER.

CON'T N<sup>o</sup> 427.

ONE OFF.

WORKING PRESSURE 100 LBS. PER Q"

TO PASS LLOYDS SURVEY

SCALE 1 1/4" = ONE FOOT.

From DAVID ROWAN & CO., GLASGOW.  
ENCLOSURE  
W1108-0099 7/2

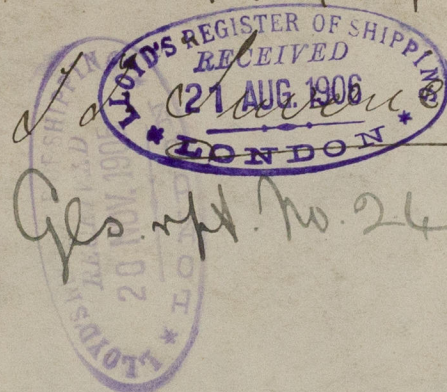


OT 6202  
TR<sup>o</sup> N<sup>o</sup> 2369  
TRACED 16<sup>th</sup> NOV. 1965  
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No. 427 DB



REMAIN

REMAIN

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Lloyd's Register  
Foundation



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ENCLOSURE

FOR

*Messrs*  
*Lloyds Lloyds*

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