

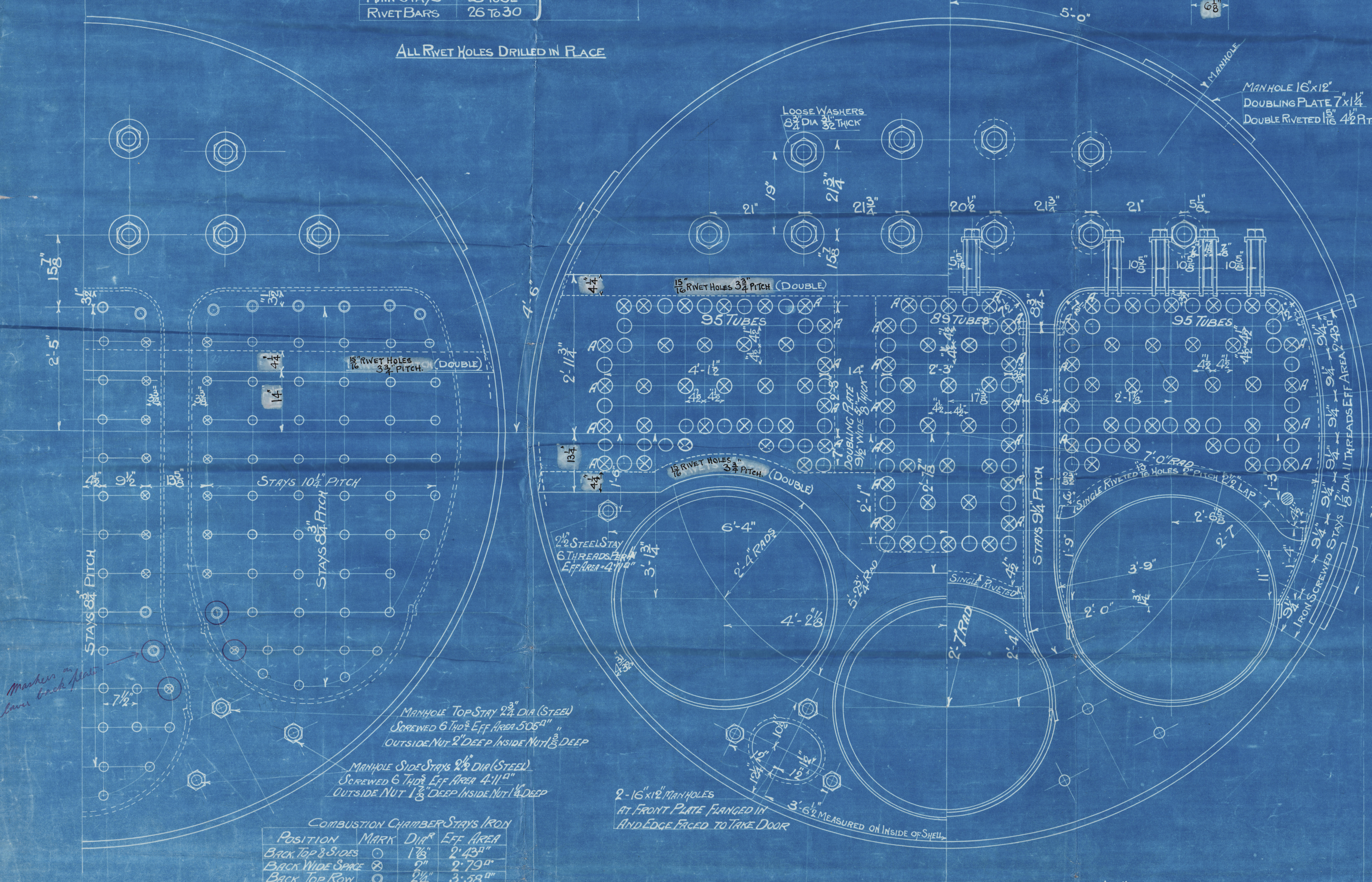
21.8.19.

SURFACES	ONE BOILER	3 BOILERS
TUBES	1840	5520
COMBUSTION CHAMBERS	232	696
TUBE PLATE	55	165
FURNACES	165	495
TOTAL HEATING SURFACE	2292	6876
GRATE AREA (5'-6" BARS)	633	190
STEAM SPACE	514	1542
WEIGHT OF WATER	26 1/2 TONS	79 1/2 TONS

RIVETING	LONG		BACK END	FRONT END
	CIRC	CIRC	CIRC	CIRC
RIVET HOLE DIA	5/16"	5/16"	5/16"	5/16"
PITCH	9' 125"	3' 83"		
% PLATE	85.6	85.6		
% RIVET	88.3	88.3		

LIMITS OF TENSILE STRENGTH & MATERIAL	
SHELL BUTTSTRAPS & GIRDERS	23 TO 32 TONS
OTHER PLATES	26 TO 30 "
FURNACES	26 TO 30 "
MAIN STAYS	28 TO 32 "
RIVET BARS	26 TO 30 "
SIEMENS-MARTIN STEEL	

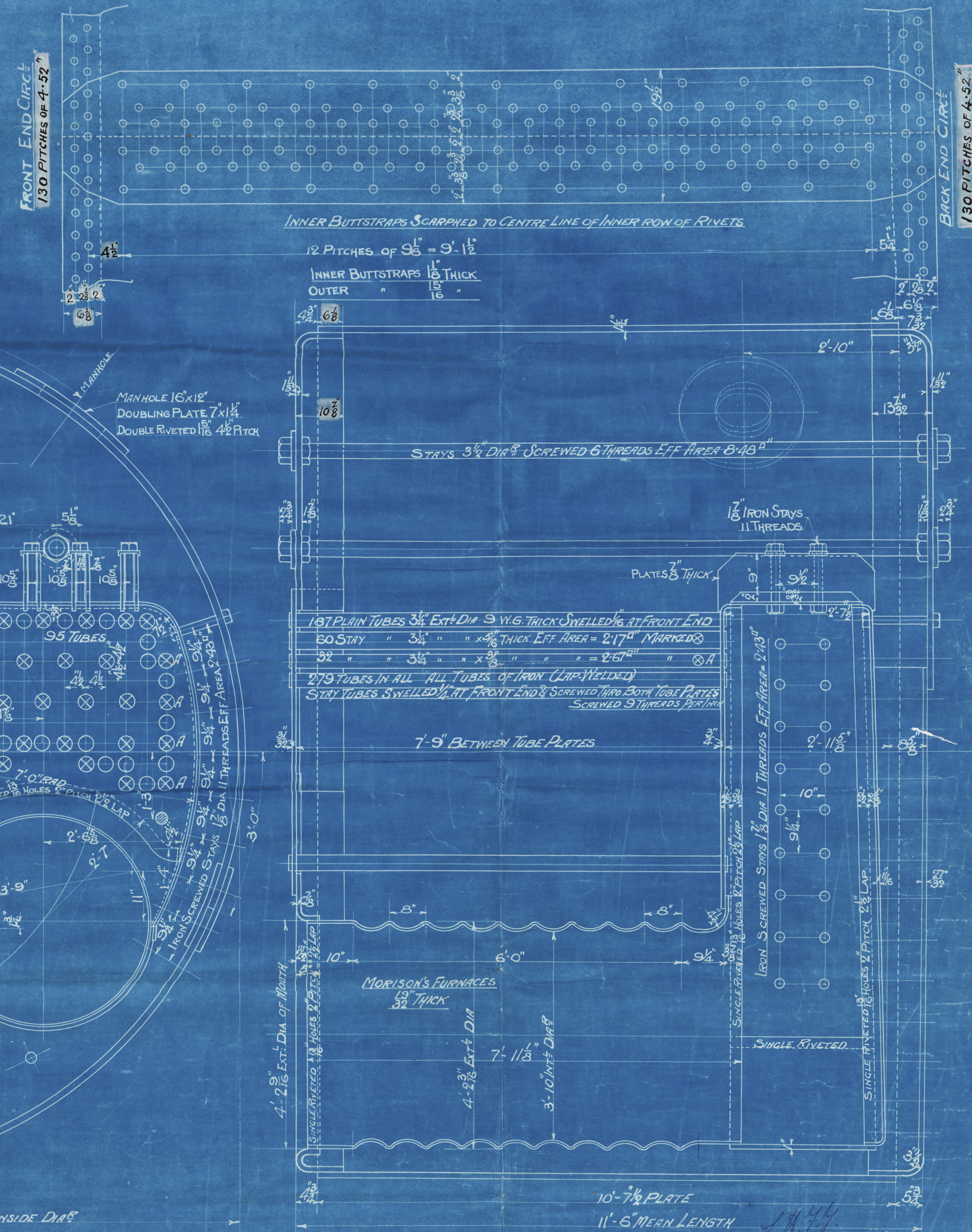
ALL RIVET HOLES DRILLED IN PLACE



COMBUSTION CHAMBER STAYS / IRON			
POSITION	MARK	DIA	EFF AREA
BACK TOP 3 SIDES	○	1 7/8"	2' 43"
BACK WIDE SPACE	○	2"	2' 79"
BACK TOP ROW	○	2 1/4"	3' 53"

ALL COMBUSTION CHAMBER STAYS SCREWED THRU BOTH PLATES AND NOT FITTED AT EACH END ALL 1 3/8" NUTS 1 1/2" DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1 3/8" DEEP ALL 2 3/8" NUTS 1 1/2" DEEP

WORKING PRESSURE = 130 LBS PER SQ INCH  
TO PASS LLOYDS SURVEY  
SCALE 1" & 1/2" = ONE FOOT



MAIN BOILERS 3-OFF FOR EACH N°  
ENGINE N° 462.463.464.

DRAWING N° 3164  
JOHN REACHHEAD & SONS  
ENGINEERS  
SOUTH SHIELDS  
20/8/1922  
A.P.R.



Readhead 463/4

J Readhead & Son

No<sup>s</sup> 462.463, + 464

Main Boilers

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S.S. "TREVORIAN"

NEWCASTLE ON TYNE.

Report No. 43688.

W265-0121



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