

SURFACES	ONE BOILER	TWO BOILERS
TUBES	2136.8 #	4273.6 #
COMBUSTION CHAMBERS	232.18 "	464.36 "
TUBE PLATES	75.8 "	151.6 "
FURNACES	161.77 "	323.54 "
TOTAL HEATING SURFACE	2606.55 "	5213.1 "
GRATE AREA (3'-6" BARS)	60.15 "	120.3 "
STEAM SPACE	549.32 #	1098.64 #
WEIGHT OF WATER		

"LLOYDS" HEATING SURFACE = 5173.4

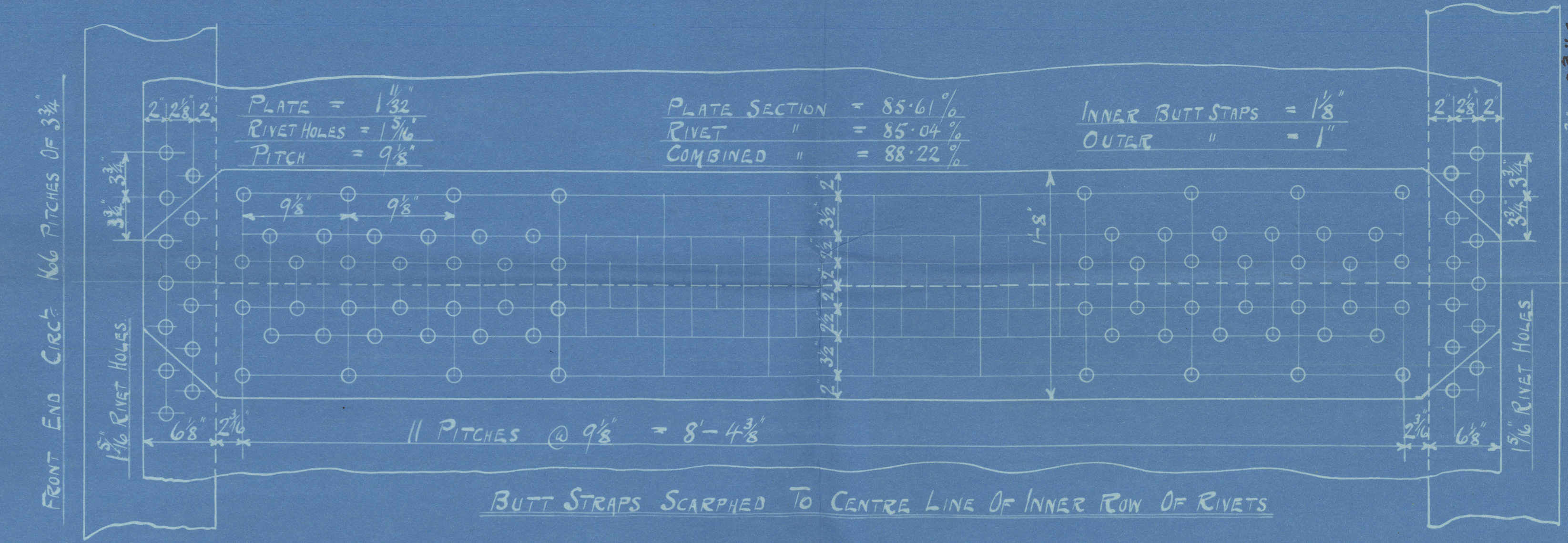
LIMITS OF TENSILE STRENGTH & MATERIAL	
SHELL BUTT STRAPS AND GIRDERS	28 TO 32 TONS
OTHER PLATES	26 " 30 "
FURNACES	26 " 30 "
MAIN STAYS	28 " 32 "
PIPE BARS	26 " 30 "

SIEMENS MARTIN STEEL

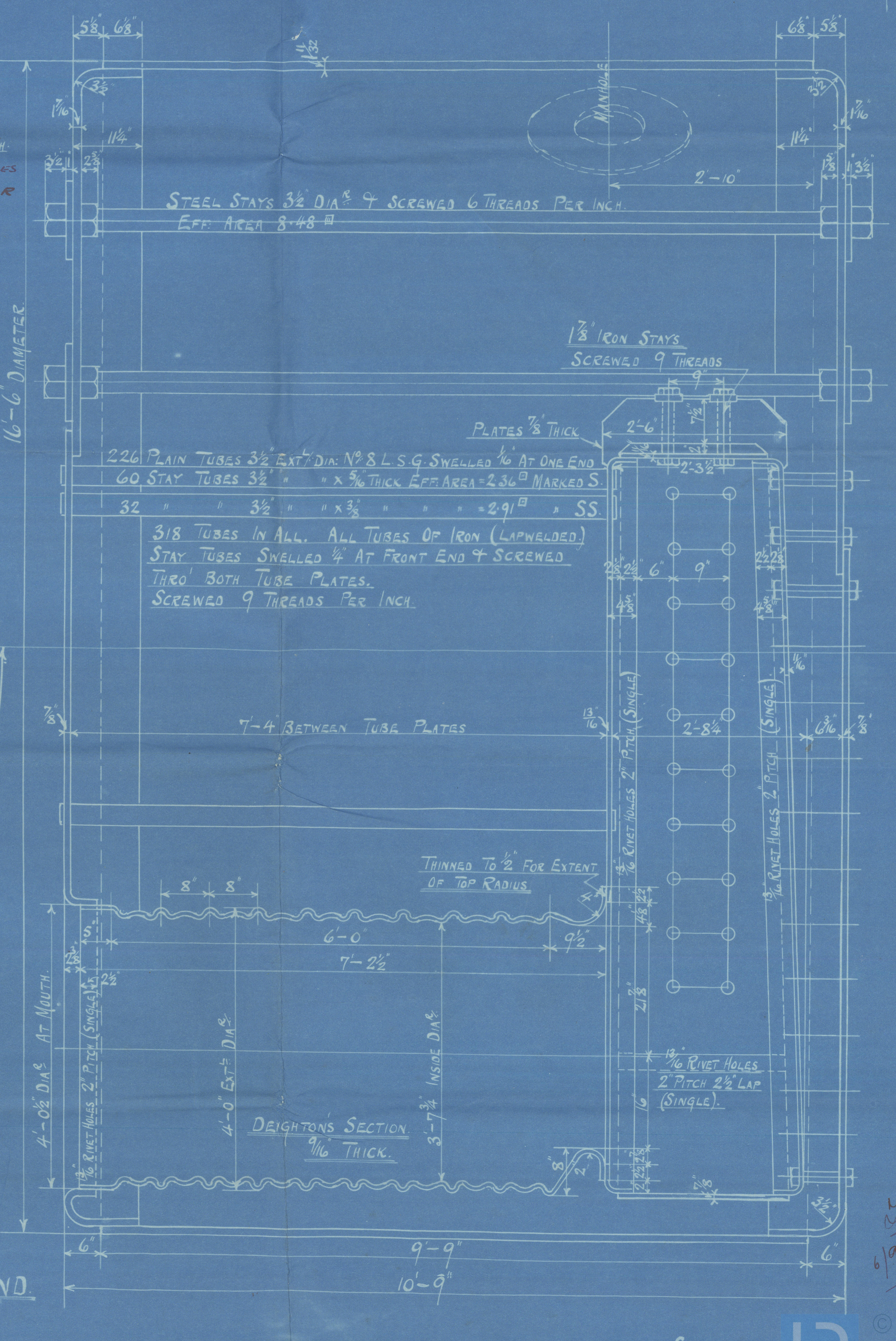
ALL RIVET HOLES DRILLED IN PLACE

WORKING PRESSURE = 180 LBS PER SQ. INCH.
TEST " = 320 " " " "

To Pass "LLOYDS" SURVEY.



7/9/22
 RIVEN END CIRC 166 PITCHES OF 3 1/2"
 EVERY INTERIOR RIVET TO BE SET OUT OF INSIDE ROW FOR THE WHOLE CIRCUMFERENCE
 AT BACK OF BOILER
 SEE LETTER RE RIVETING
 16-10-22



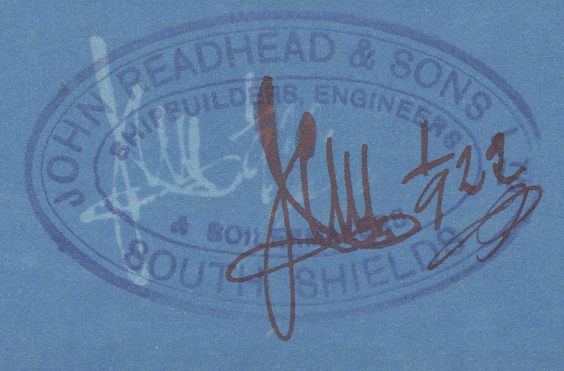
COMBUSTION CHAMBER STAYS (WROT. IRON)			
POSITION	MARK	DIAM.	EFF. AREA
BACK TOP 4 SIDES	○	1 3/8"	2.36 #
BACK WIDE SPACE	⊗	2"	2.71 #
BACK TOP ROW	○	2 3/8"	3.09 #

SCREWED 9 THREADS PER INCH.

ALL COMBUSTION CHAMBER STAYS SCREWED THRO' BOTH PLATES AND NOT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL WHICH PROJECT 3/8" AND ARE CAULKED. ALL 1 3/8" & 2" NUTS 1" DEEP. 2 3/8" NUTS 1 1/2" DEEP.

2-16" x 12" MANHOLES AT FRONT. PLATE FLANGED IN AND EDGE FACED TO TAKE DOOR.

MAIN BOILERS
 ONE OFF RIGHT HAND & ONE OFF LEFT HAND.
 ENC. N° 472



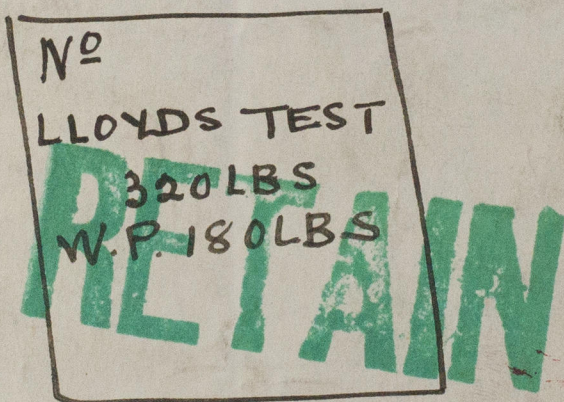
DRAWG N° 3649

2 Main Boilers
by
Readhead & Sons
for their

No 442 Vessel

180 lbs "working pressure"

Steelville 9 SEP 1922



W1086-0209

S. S. "Steelville"
NEWCASTLE ON TYNE.

Report No. 176.1776.



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Lloyd's Register
Foundation