

# BOILERS. N<sup>o</sup> 1019. 2 OFF FOR MESSRS. J. PRIESTMAN & CO S.S. N<sup>o</sup> 253.

WORKING PRESSURE - 180 LBS PER SQ INCH. TEST PRESSURE - 360 LBS PER INCH. TO LLOYD'S REQUIREMENTS.

ALL PLATES, RIVETS & STAYS OF STEEL. TUBES OF IRON LAP WELDED. ALL HOLES TO BE DRILLED IN POSITION.

TENSILE STRENGTH OF SHELL PLATES, BUTT STRAPS & GIRDERS TO BE NOT LESS THAN 28% MORE THAN 33% TONS PER SQ INCH.

OTHER . . . . . 26 . . . . . 30

LONGITUDINAL STAYS . . . . . 28 . . . . . 32

RIVETS & SCREW STAYS . . . . . 26 . . . . . 30

ELONGATION OF SHELL PLATES, BUTT STRAPS, GIRDERS & LONGITUDINAL STAYS TO BE NOT LESS THAN 20% IN A LENGTH OF 8 INCHES.

OTHER . . . . . 23% . . . . . 8

SCREW STAYS . . . . . 25% . . . . . 8 TIMES DIA OF TEST PIECE

OTHER . . . . . 25% . . . . . 8

HEATING SURFACE &C	SQ FEET
HEATING SURFACE IN ONE TUBE	6.455
269 TUBES	1732
3 C CHAMBERS	210
3 FURNACES	135
BACK TUBE PLATES	41
FRONT	35
ONE BOILER TOTAL	2153
TWO	4306
TOTAL GRATE SURFACE WITH 5'-6" BARS	118-8
AREA THRO TUBES	28.07
RATIO - TUBE AREA GRATE AREA	2.25
TOTAL STEAM SPACE TO 6" ABOVE LEVEL OF TUBES	903. C

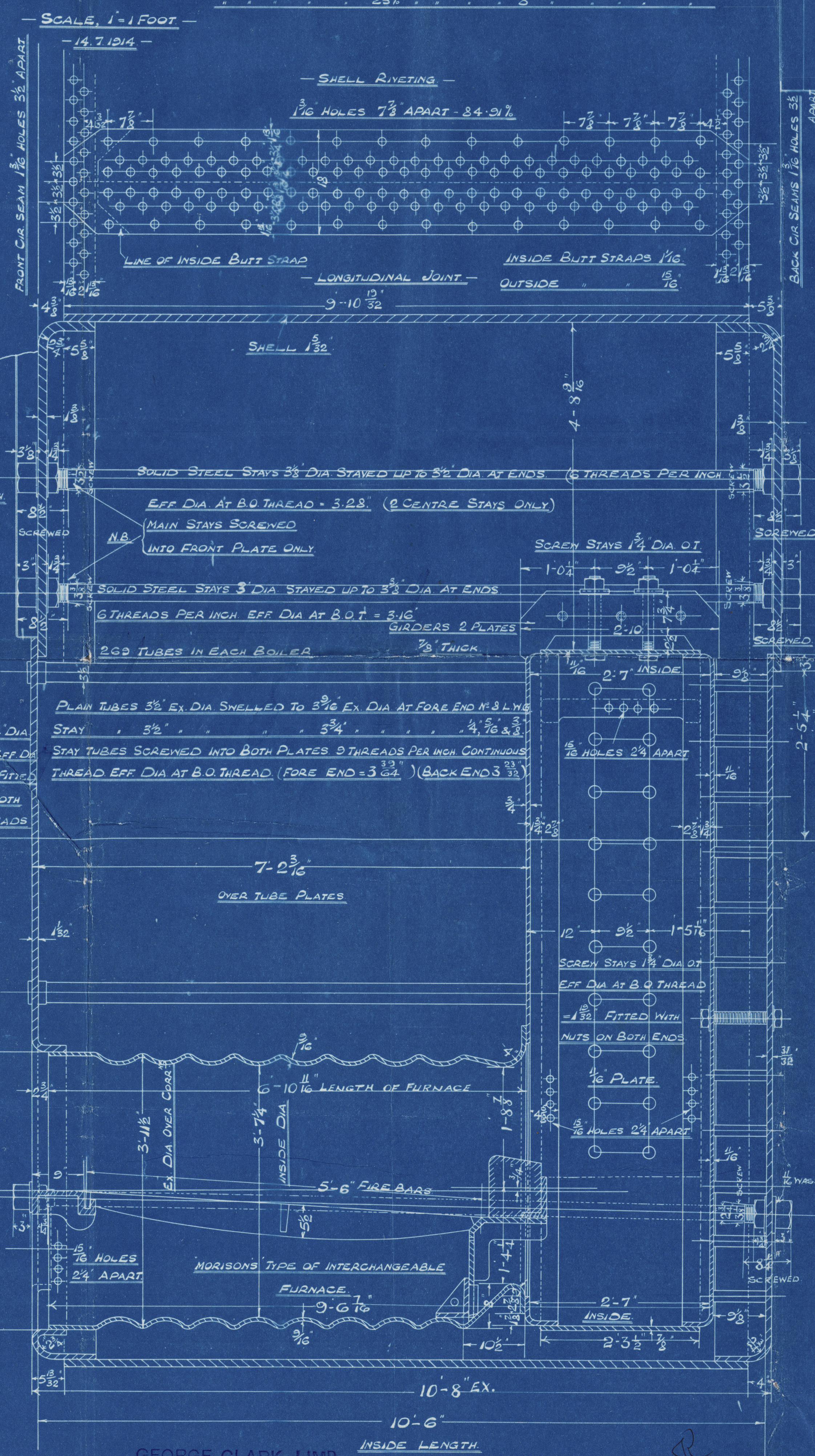
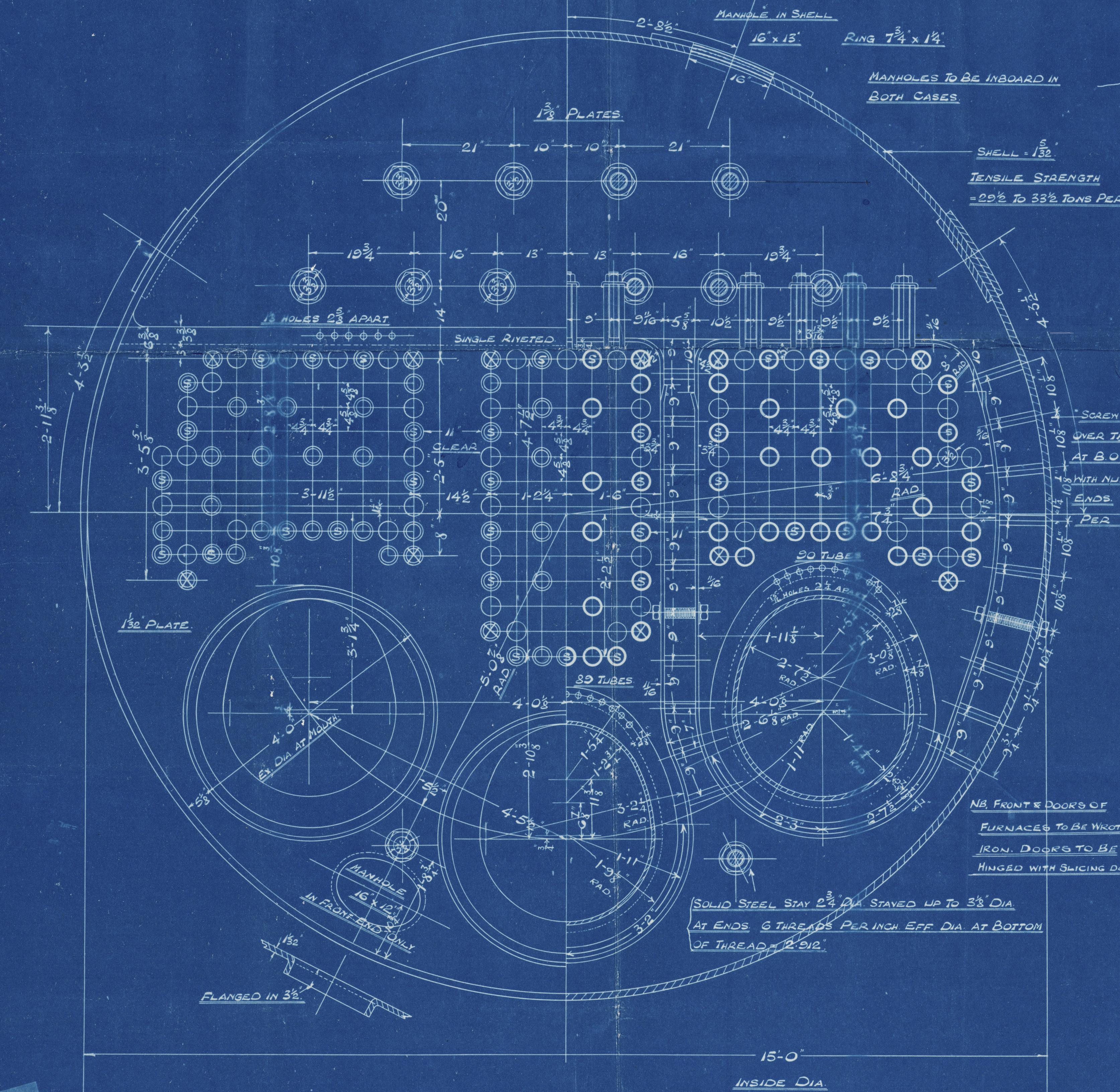
352 PLAIN TUBES 3 1/2" EX. DIA. SWELLED TO 3 7/16" EX. DIA. AT FRONT END FOR A DISTANCE OF 3'-7" LONG. N<sup>o</sup> 8 L.S.W.G. THICK.

24 STAY " 3 1/2" " 3 7/16" " 3'-7" " 3/8" THICK

74 " 3 1/2" " 3 7/16" " 3'-7" " 5/16" "

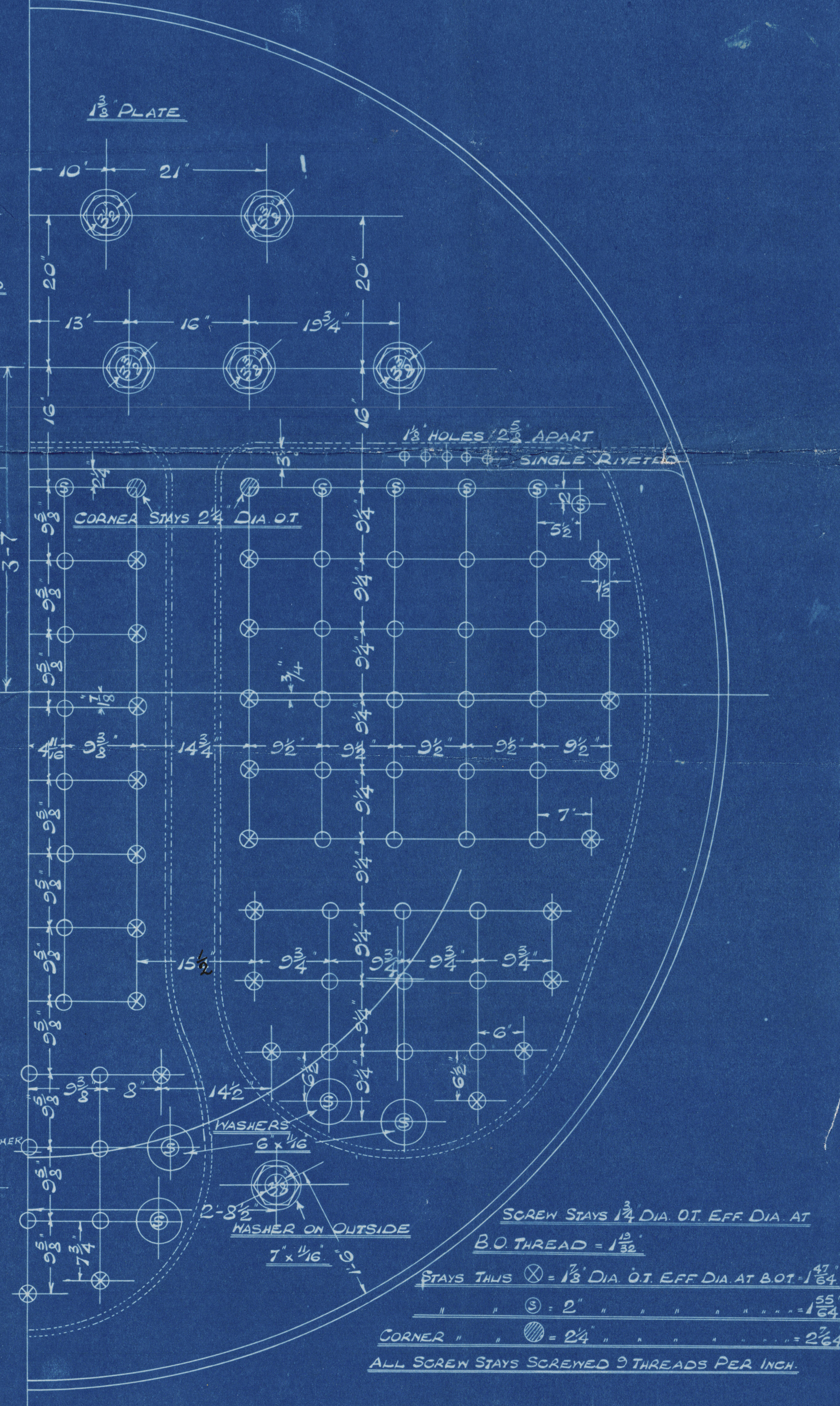
88 " 3 1/2" " 3 7/16" " 3'-7" " 1/4" "

STAY TUBES SCREWED AT BOTH ENDS CONTINUOUS THREAD, 9 THREADS PER INCH. FOR A DISTANCE OF 3" AT SWELLED END AND 1" AT THE OTHER.



MARK	OFF	LENGTH	BREADTH	THICK	POSITION	MAIN	POPE	SKETCH	THICK	POSITION

GIRDER STAYS	44 OFF 1 1/2 DIA. O.T. X 1-3 LONG
LARGE STAYS (STEEL)	SMALL STAYS (STEEL)



GEORGE CLARK, LIMP.  
SOUTHWICK ENGINE WORKS,  
SUNDERLAND.

N<sup>o</sup> 1019.

W184-0200



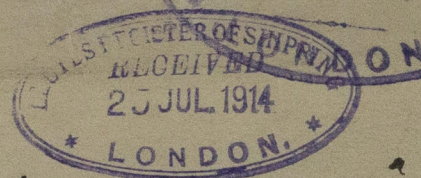
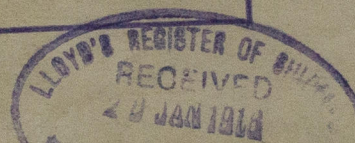
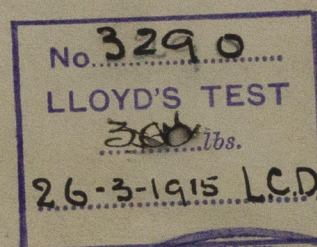
G. CLARK. LD

SUNDERLAND.

MAIN BOILERS.

CONTRACT N° 1019.

2 OFF.



*Kowassa*

J. PRIESTMAN & Co.

S.S. N° 253.

SUNDERLAND RPT. NO. 26601

W184-0200



© 2019

Lloyd's Register  
Foundation