

15/4/1924

BOILER CONTRACT N°855.

MESSRS SWAN HUNTER & WIGHAM RICHARDSON SHIP N° 1253.
TO BE CONSTRUCTED TO PASS LLOYDS REQUIREMENTS.

3, OFF — SCALE 1" TO 1'-0"

STRENGTH OF JOINT.
PLATE = 84.7%
RIVET = 87.75%

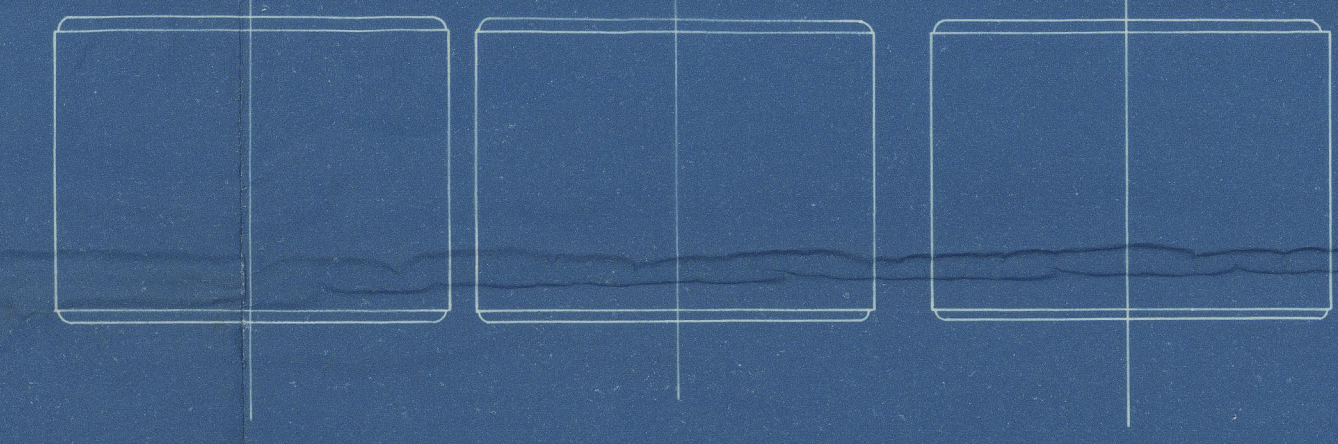
HEATING SURFACE.

TUBES	2407	¢
FURNACES	218	¢
COMBUSTION CHAMBERS	342	¢
BACK TUBE PLATE	56	¢
FRONT " "	52	¢
TOTAL FOR ONE BOILER.	3075	¢
TOTAL FOR THREE BOILERS.	9225	¢
GRATE SURFACE 5'-6" FIREBARS	76	¢ (ONE BOILER)
	228	¢ (THREE BOILERS)

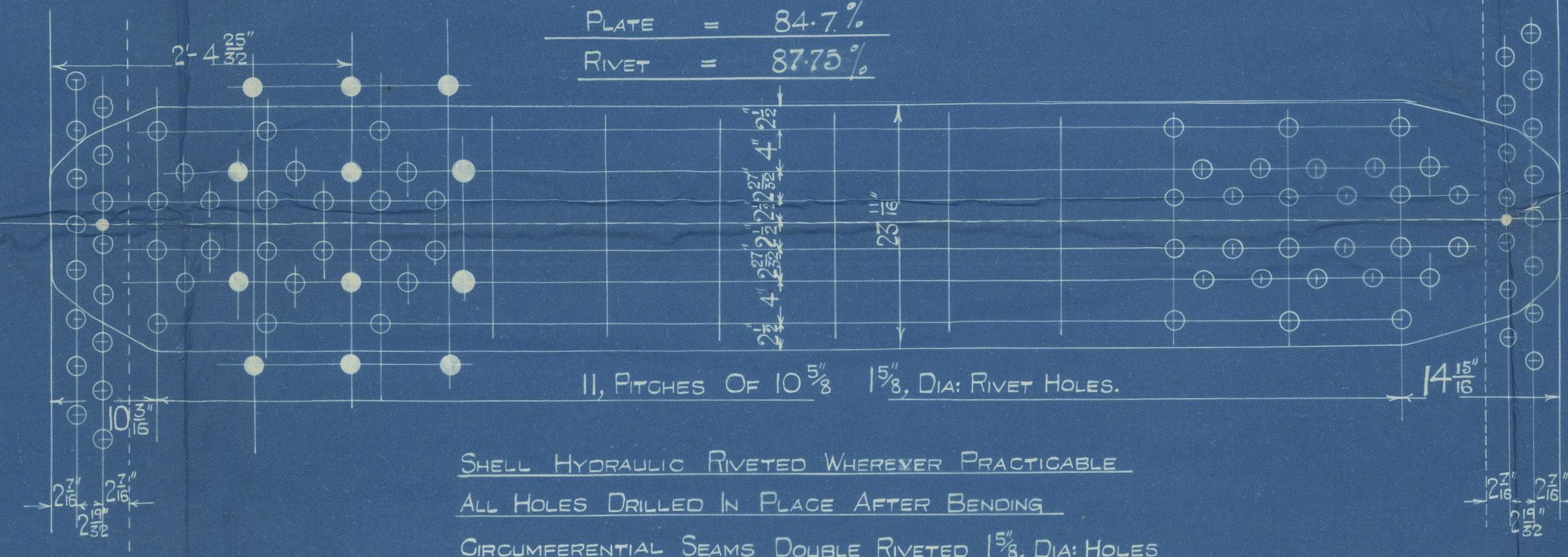
WORKING PRESSURE 225 LBS. Q.
TEST PRESSURE 338 LBS. Q.

BOILERS TO BURN COAL OR OIL UNDER HOWDENS FORCED DRAUGHT
AND TO BE FITTED WITH SUPERHEATERS OF MARINE & LOCOMOTIVE CO. MAKE.

FRONT OF BOILERS.



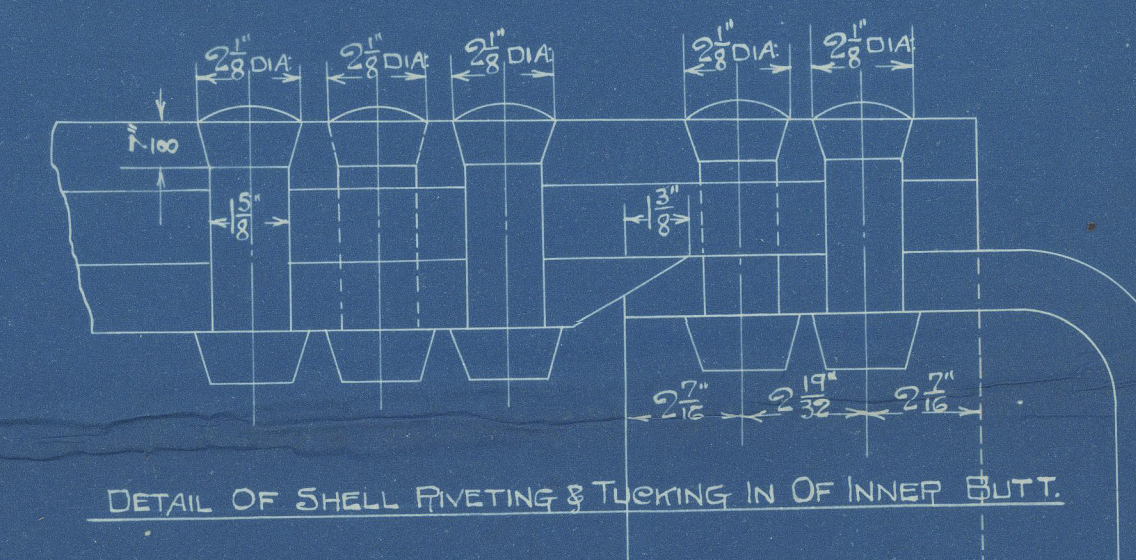
11/4/1924



SHELL HYDRAULIC RIVETED WHEREVER PRACTICABLE.
ALL HOLES DRILLED IN PLACE AFTER BENDING.
CIRCUMFERENTIAL SEAMS DOUBLE RIVETED 1 3/8" DIA HOLES.
140 PITCHES OF 4-47, MEASURED ON MEAN CIRCUMFERENCE.

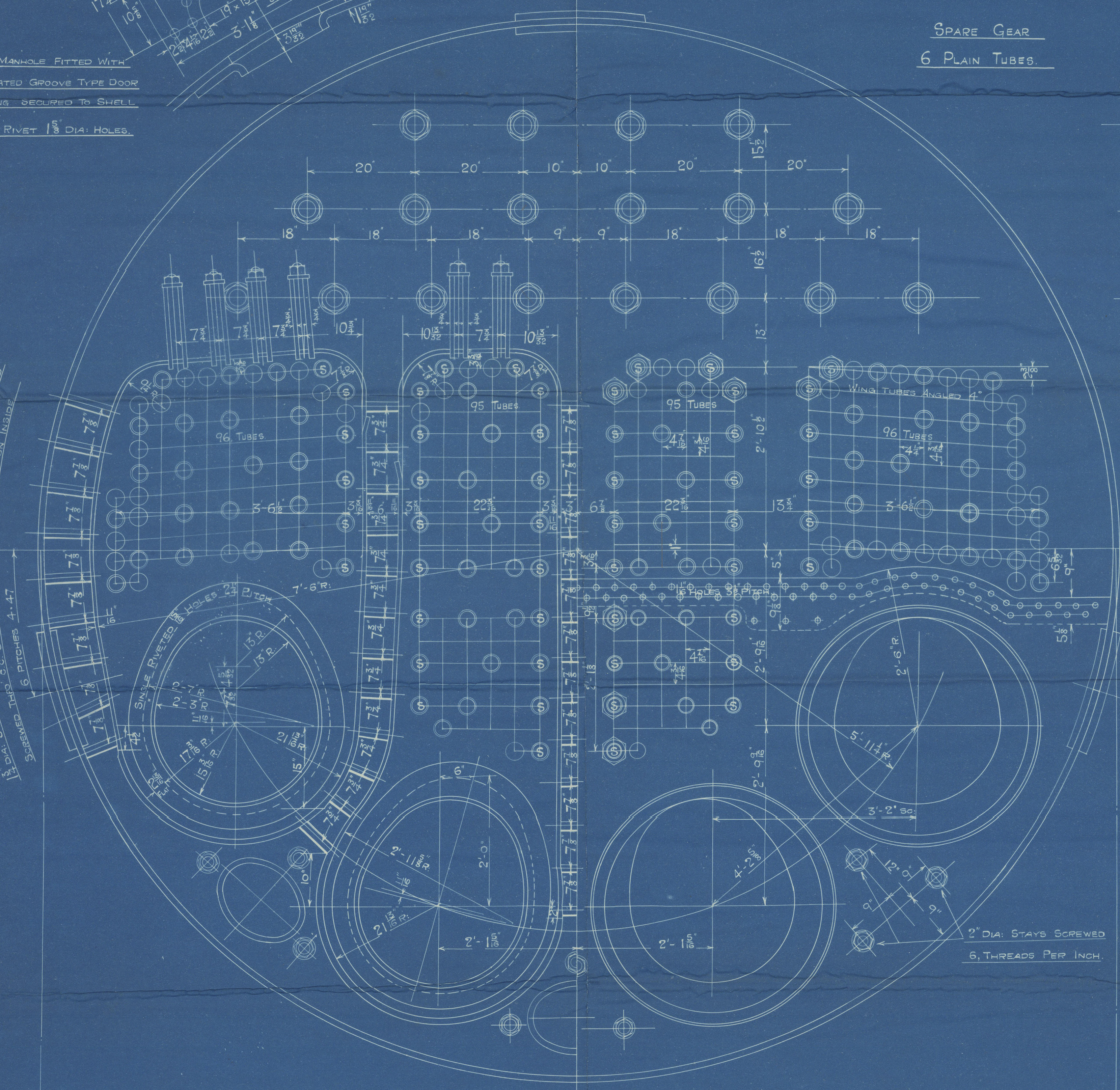
MATERIALS

DESCRIPTION	MATERIAL	TENSILE STRENGTH
SHELL PLATES & BUTT STRIPS STEEL	30 TO 34 TONS PER SQ INCH	
C.C. GIRDER PLATES	28 TO 32 TONS PER SQ INCH	
WRAPPER & FLANGED PLATES	26 TO 30 TONS PER SQ INCH	
LONGITUDINAL STAYS	28 TO 32 TONS PER SQ INCH	
C.C. SCREWED STAYS & RIVET BARS	26 TO 30 TONS PER SQ INCH	
TUBES	IRON	



16"x12" MANHOLE FITTED WITH
CORRUGATED GROOVE TYPE DOOR
DOUBLING SECURED TO SHELL
BY 3/8" RIVET 1 3/8" DIA HOLES.

SPARE GEAR
6 PLAIN TUBES.



C855

Wallsend Shipway & Eng^g. Co. Ltd.
S. S. E. Boilers

SP 1253

Swan Hunter & Wigham Richardson

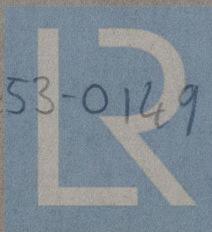
"City of Mandalay"

NEWCASTLE ON TYNE

Report No. 78729.

RETAIN

W453-0149



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