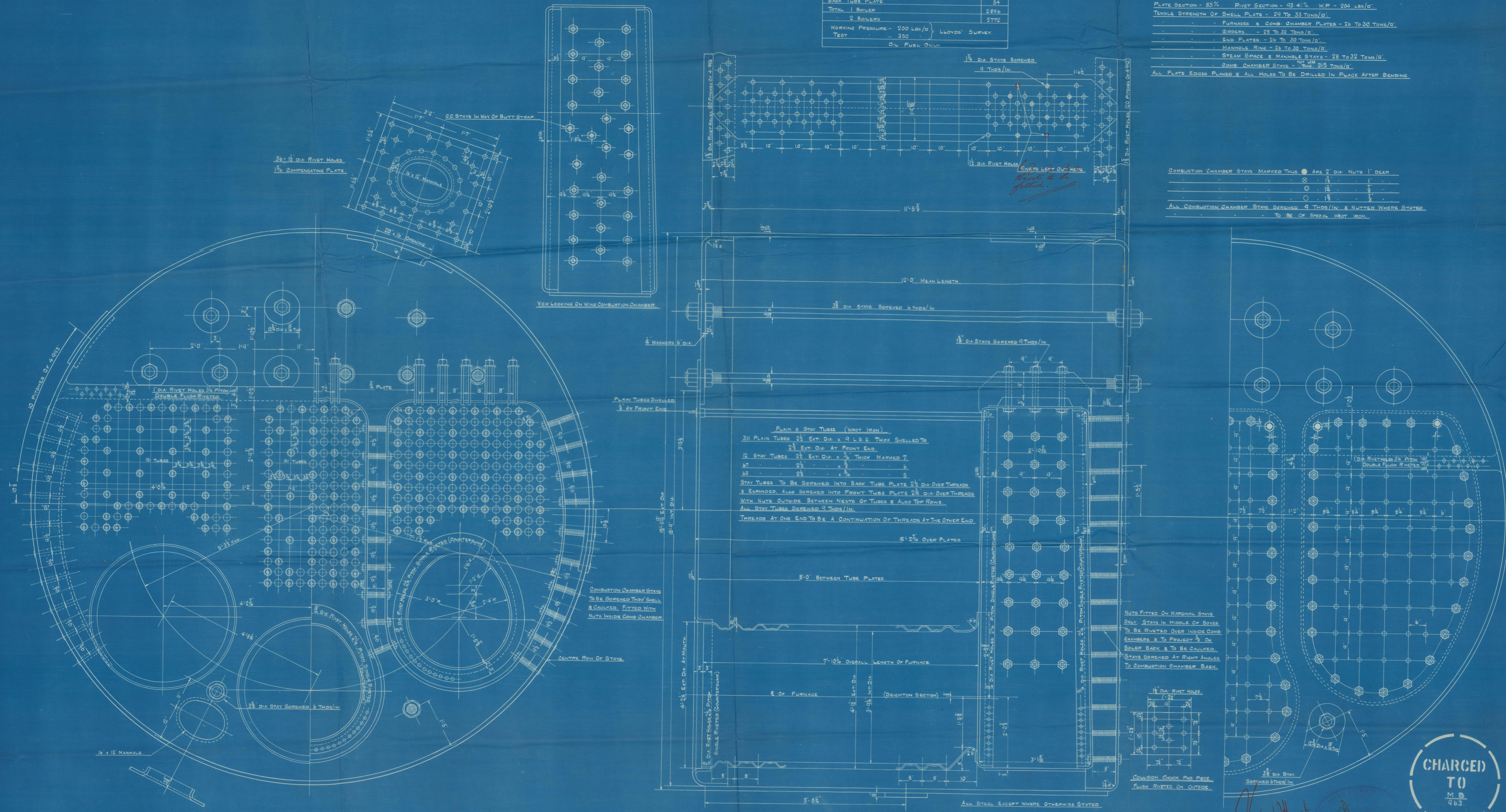


17526

HEATING SURFACE	SQ FEET
453 TUBES - 2 1/2" EXT DIA x 8'0" B.T.P.	2372
FURNACES	180
COMBUSTION CHAMBER TOPS & SIDES	186
BACKS	94
BACK TUBE PLATE	54
TOTAL 1 BOILER	2886
2 BOILERS	5772
WORKING PRESSURE - 200 LBS/SQ IN	
TEST - 350	
OIL FUEL ONLY	

SHELL RIVETING ETC.
DOUBLE BUTT STRAP JOINTS.
SHELL PLATE - 1 1/2" THICK INNER BUTT STRAP 1 1/2" THICK. OUTER BUTT STRAP 1 3/4" THICK.
RIVET HOLES - 1 1/2" DIA. GREATEST PITCH - 10".
PLATE SECTION - 85% RIVET SECTION - 93.4% W.P. - 204 LBS/SQ IN.
TENSILE STRENGTH OF SHELL PLATE - 29 TO 33 TONS/SQ IN.
FURNACES & COMB. CHAMBER PLATES - 28 TO 30 TONS/SQ IN.
GIRDERS - 28 TO 30 TONS/SQ IN.
END PLATES - 28 TO 30 TONS/SQ IN.
MANHOLE RING - 28 TO 30 TONS/SQ IN.
STEAM SPACE & MANHOLE STAYS - 28 TO 30 TONS/SQ IN.
COMB. CHAMBER STAYS - 28 TO 30 TONS/SQ IN.
ALL PLATE EDGES PLANED & ALL HOLES TO BE DRILLED IN PLACE AFTER BENDING.

COMBUSTION CHAMBER STAYS MARKED THUS ● ARE 2" DIA. NUTS 1" DEEP.
● 1 1/2" 1"
● 1 1/2" 1"
● 1 1/2" 1"
ALL COMBUSTION CHAMBER STAYS SREWED 9 THDS/IN. & NUTTED WHERE STATED.
TO BE OF SPECIAL WROT IRON.



ENG NO 963

MAIN BOILERS (2-OPP)
SCALE - 1" = 1 FOOT

CHARGED TO M.B. 963

NO 30294

963

PALMERS No. 963

W. P. 200 LBS.

SS. "BRITISH INDUSTRY"
NEWCASTLE ON TYNE.

Report No. 81426

RETAIN

W1630-0190



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