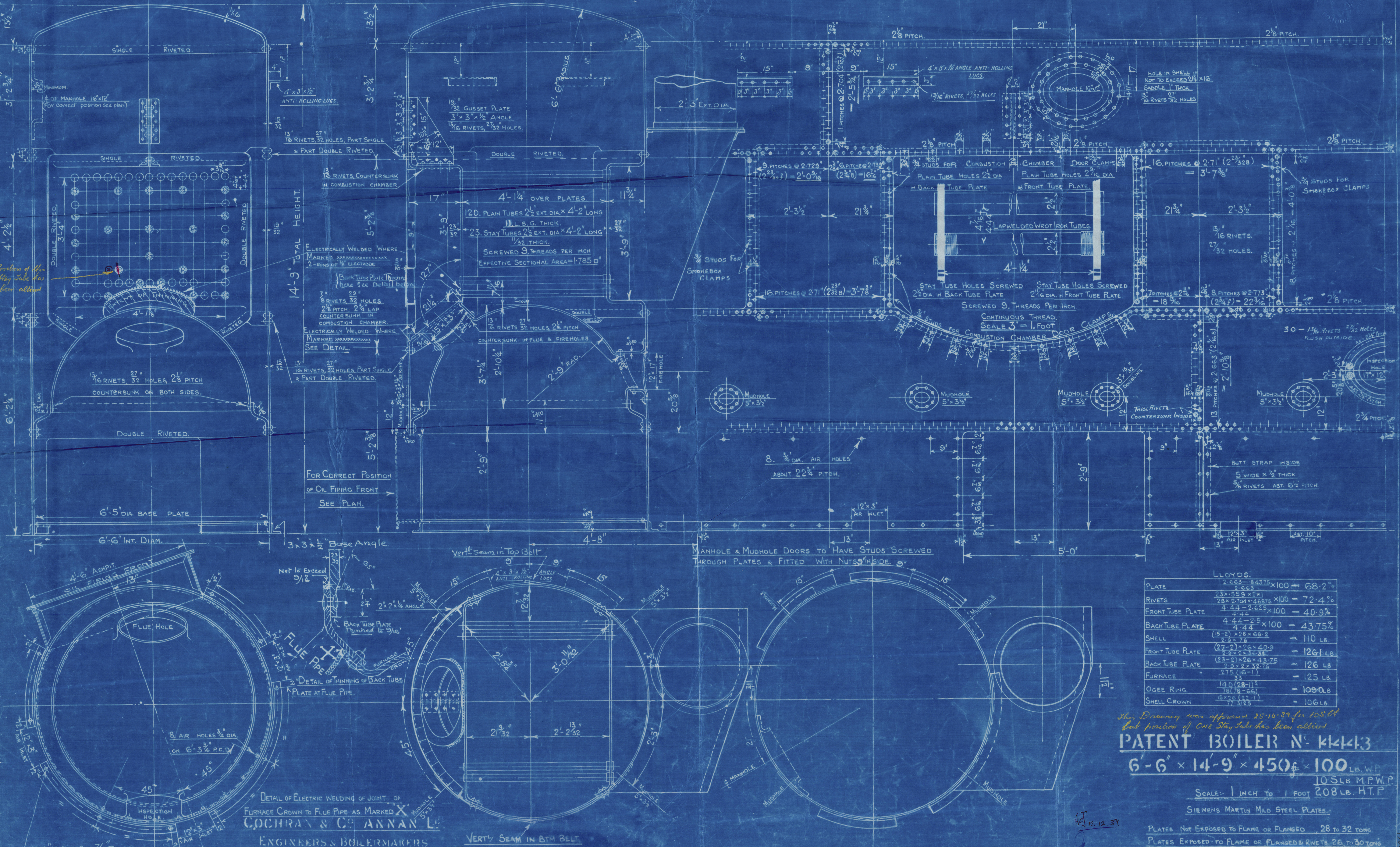


COCHRAN PATENT VERTICAL MULTITUBULAR BOILER

HORIZONTAL FLUE TUBES

12 DEC 1939



LLOYDS.	
PLATE	2.663-84375x100 = 68.2%
RIVETS	23x55.9x5x1 = 72.4%
FRONT TUBE PLATE	4.44-2.625x100 = 40.9%
BACK TUBE PLATE	4.44-2.5x100 = 43.75%
SHELL	(15-2)x28x68.2 = 110 LB.
FRONT TUBE PLATE	(27-2)x26x40.9 = 126 LB.
BACK TUBE PLATE	(23-2)x26x43.75 = 126 LB.
FURNACE	275(16-1) = 125 LB.
OGEE RING	14.0(28-1) = 1090 LB.
SHELL CROWN	15x6(22-1) = 106 LB.

This Drawing was approved 28-10-39 for 105 LB. W.P. but position of C.W. Stay Tubes has been altered.

PATENT BOILER N° K4443

6'-6" x 14'-9" x 450# x 100 LB. W.P.

105 LB. M.P.W.P. 208 LB. H.T.P.

SCALE: 1 INCH TO 1 FOOT

SIEMENS MARTIN MILD STEEL PLATES.

PLATES NOT EXPOSED TO FLAME OR FLANGED 28 TO 32 TONS
PLATES EXPOSED TO FLAME OR FLANGED & RIVETS 26 TO 30 TONS

DRAWING N° 241967
ALTERED FROM DR. N° 21620

DETAIL OF ELECTRIC WELDING OF JOINT OF
FURNACE CROWN TO FLUE PIPE AS MARKED X
COCHRAN & CO. ANNAN L.

ENGINEERS & BOILERMAKERS
ANNAN, SCOTLAND

SURVEY - LLOYDS

COCHRAN & CO., ANNEX LD

Boiler No. 14443

Drawing No. 24967

GLASGOW REPORT No. 61846

W71-0061



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