

		LLOYDS	
TOP & BOTTOM BELTS	PLATE $\frac{3125-10312}{3125} \times 100 = 66.8\%$ RIVETS $\frac{23 \times 835 \times 21}{28 \times 3154 \times 656} \times 100 = 66.27\%$ SHELL $\frac{21-2 \times 28 \times 66.8}{29 \times 96} = 127.5 \text{ LBS}$ PLATE $\frac{3135-1031}{3135} \times 100 = 67.3\%$	EXHAUST GAS SECTION	FRONT TUBE PLATE $\frac{2625-1812}{2625} \times 100 = 30.9\%$ BACK TUBE PLATE $\frac{2625-115}{2625} \times 100 = 42.8\%$ FRONT TUBE PLATE $\frac{(40-2) \times 26 \times 30.9}{2.9 \times 2 \times 43.125} = 122 \text{ LB.}$ BACK TUBE PLATE $\frac{(40-2) \times 26 \times 42.8}{2.9 \times 2 \times 37.22} = 196 \text{ LB.}$
SHELL MIDDLES	RIVETS $\frac{23 \times 835 \times 21}{28 \times 3154 \times 8125} \times 100 = 53.9\%$ SHELL $\frac{(26-2) \times 26 \times 53.9}{29 \times 96} = 130 \text{ LBS}$ FURNACE CROWN $\frac{275(33-1)}{42} = 144.1 \text{ LB.}$ Ogee RING $\frac{140(33-1)^2}{96(96-84)} = 124.4 \text{ LB.}$	Oil Fired SECTION	FRONT TUBE PLATE $\frac{3187-3187}{3187} \times 100 = 33.3\%$ BACK TUBE PLATE $\frac{3187-2}{3187} \times 100 = 37.2\%$ FRONT TUBE PLATE $\frac{(40-2) \times 26 \times 33.3}{2.9 \times 2 \times 45} = 126.2 \text{ LB.}$ BACK TUBE PLATE $\frac{(40-2) \times 26 \times 37.2}{2.9 \times 2 \times 35.3} = 161.3 \text{ LB.}$

COCHRAN COMPOSITE BOILER N° 13327.

8'-0" DIA. x 17'-9" HIGH x 1053# H.S. x 120 LBS. W.P.

SCALE:- $\frac{3}{4}$ " TO 1 FOOT

10.6.37 SIEMENS MARTIN MILD STEEL PLATES BOILER QUALITY
TENSILE RANGE

PLATES NOT EXPOSED TO FLAME OR FLANGED	28 TO 32 TONS
" ARE " " " " "	26 TO 30 TONS

	INITIALS	DATE
DRAWN BY		
TRACED BY	BWF	21. 3. 36
CHECKED BY	J. Muller	21-3-36
ISSUED		

DRAWING N° E.33887.

W25-0002



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COCHRAN & CO., ANNAN, LD.

Boiler No.

13537

Drawing No.

E 33887

WP-120

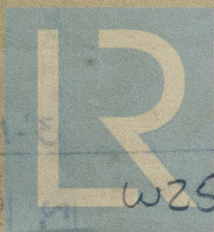
GLASGOW REPORT No 59030

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