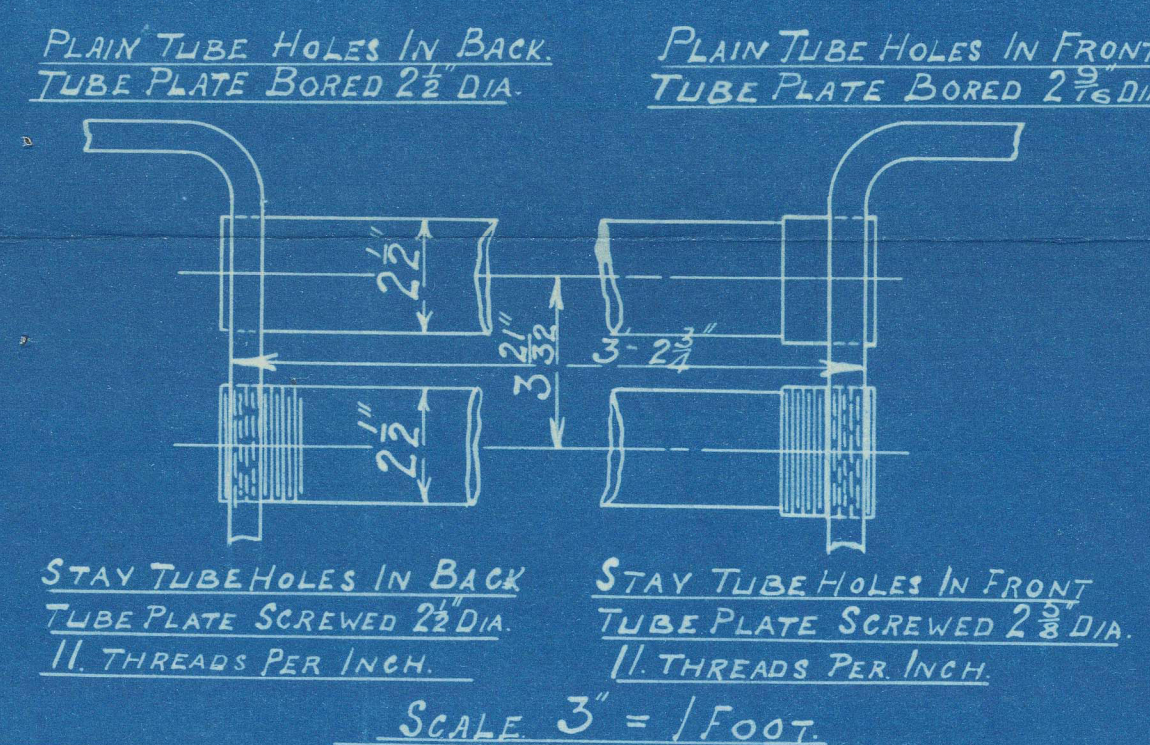


HORIZONTAL FLUE TUBES.



HEATING SURFACE		LIGONDS	
TUBES	160 1/4"	PLATE	$2 \times 36 \times 7/8 \times 100 = 69.9\%$
PLATE	50 "	RIVETS	$2 \times 10074 \times 3/8 \times 3/8 \times 85 = 74.9\%$
TOTAL	200 "	FRONT TUBE PLATE	$3.66 \times 2.8378 \times 100 = 29.1\%$
GRATE AREA	11 3/4 "	BACK TUBE PLATE	$3.66 \times 2.8 \times 100 = 31.7\%$
		SHELL	$20.8 \times 69.9 = 100.4\%$
		FRONT TUBE PLATE	$20.8 \times 29.1 \times 2 = 1205.5\%$
		BACK TUBE PLATE	$20.8 \times 31.7 \times 2 = 1043.4\%$
		FURNACE	$1200 \times 8 = 125.8\%$

$$\frac{4'-9'' \times 9'-6'' \times 200 \text{ lb} \times 100}{\text{LBS WP}}$$

SCALE $1\frac{1}{2}$ INCHES = 1 FOOT.

SIEMENS MARTIN MILD STEEL PLATES

TENSILE STRENGTH:-

PLATES NOT EXPOSED TO FLAME OR FLANGED

PLATES EXPOSED TO FLAME OR FLANGED EXCEPT FURNACE CROWN	26 TO 30
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FURNACE CROWN ----- 26 TO 29

COCHRAN & CO ANNAN LTD.
ENGINEERS & BOILERMAKERS
ANNAN, SCOTLAND

DRAWING NO. 8879

COCHRAN & Co., ANNAN, Ltd.

Enclosure.

FOR

Messrs

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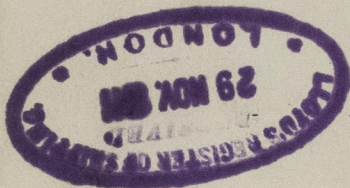
Glasgow
COCHRAN & CO., ANNAN, LD.

Boiler No. 5556

Drawing No. 8879

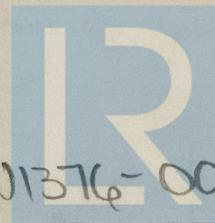
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