

Iron S. S. Luteia Sunderland report 18th 11.8.38

Riveting					
Longitudinal seams,	double rivetted,	$\frac{3}{16}$ " plate,	$\frac{1}{2}$ " rivets,	$4\frac{1}{4}$ " pitch.	
Circumferential "	"	$\frac{1}{4}$ " "	$\frac{1}{2}$ " "	$3\frac{1}{4}$ " "	
Front & Back "	"	$\frac{1}{4}$ " "	$\frac{1}{2}$ " "	$2\frac{1}{2}$ " "	
Furnace "	"	$\frac{1}{2}$ " "	$\frac{3}{4}$ " "	$2\frac{1}{2}$ " "	(as rivelled to keep
Fire box "	Single	$\frac{1}{2}$ " "	$\frac{1}{4}$ " "	$1\frac{1}{2}$ " "	Furnaces in a true circle
Home seams "	Double	$\frac{3}{8}$ " "	$\frac{3}{4}$ " "	$2\frac{1}{2}$ " "	

SCALE $\frac{1}{4}$ INCH TO 1 FOOT

Working press; 70 tons per sq. inch.

Intended for Mess^{rs} J. L. Thompson & sonsScrew Steamer N^o 136. (now Named *Luteia*) Jan 11th 1878

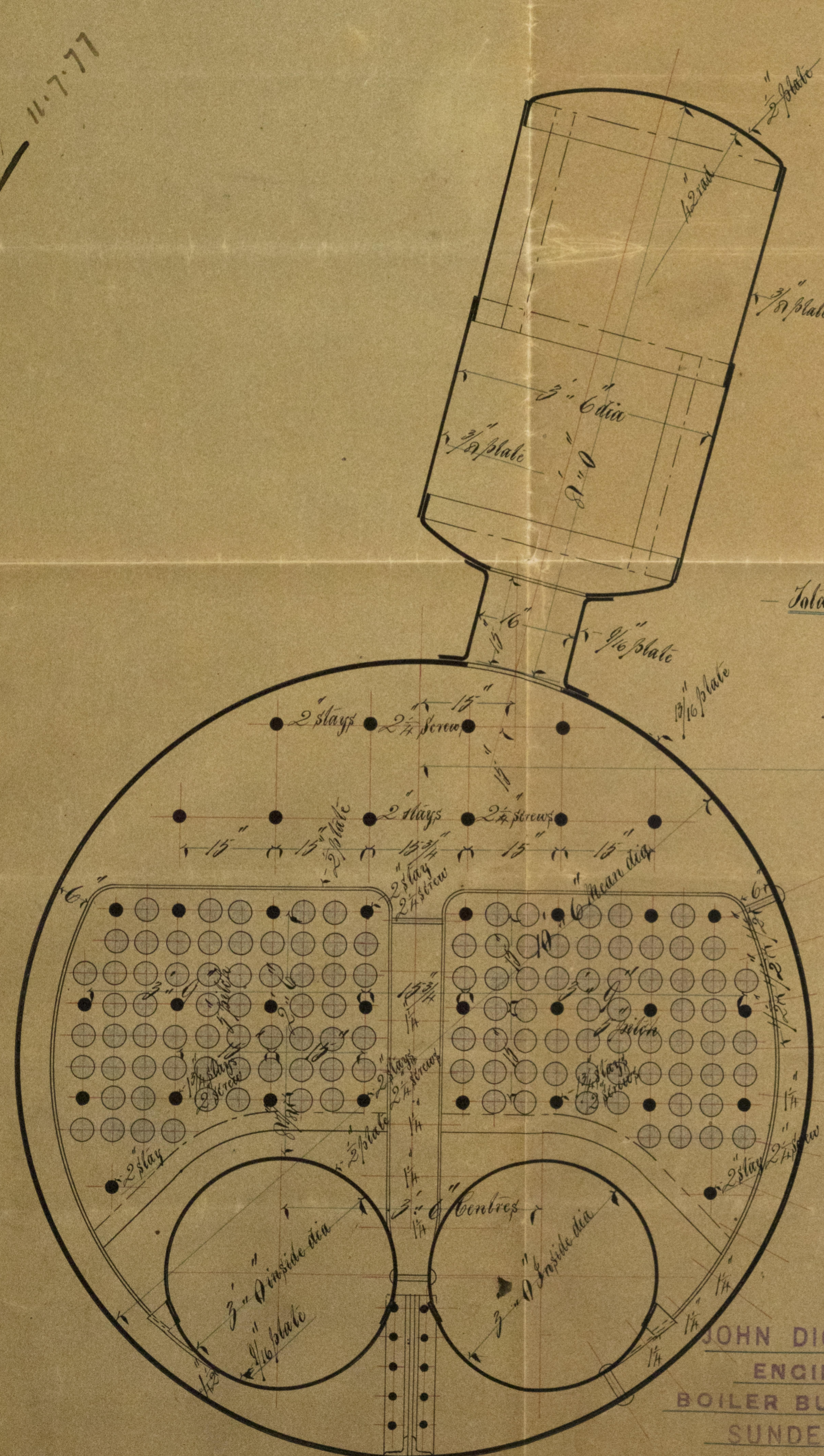
Rev 11/7/77

$$\text{Shells} = \frac{51520 \times 1\frac{1}{2} \times 70}{126 \times 6.5} = 71 \text{ lbs}$$

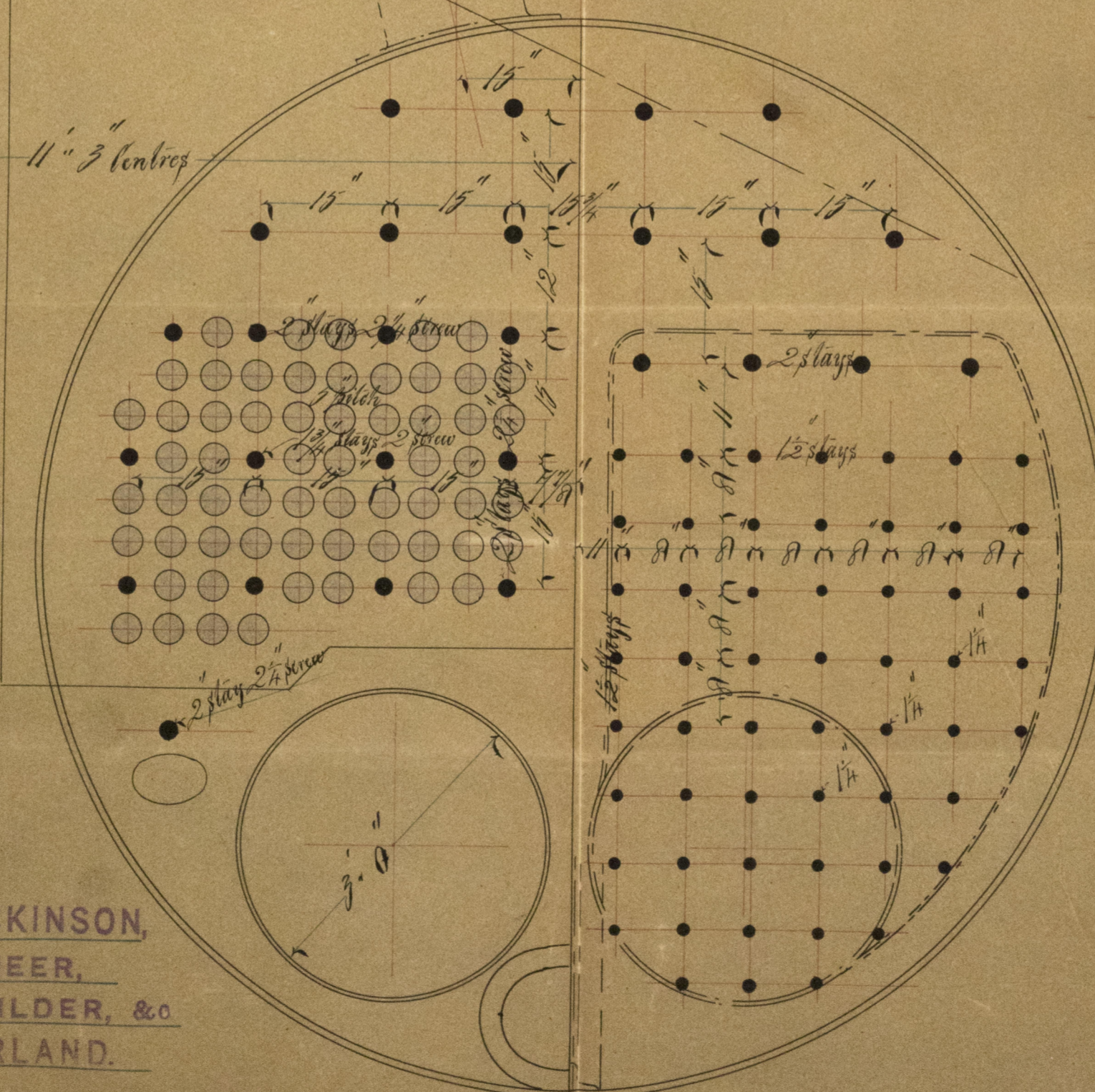
$$\text{Furnace} \left\{ \begin{array}{l} \frac{89600 \times \frac{1}{2}}{7\frac{1}{2} \times 36} = \text{top } 82 \text{ lbs} \\ \frac{89600 \times \frac{3}{4}}{9\frac{1}{2} \times 36} = \text{bottom } 80 \text{ lbs} \end{array} \right.$$

W. Allison July 10th 1877

MP 11.7.77



Total 240 tubes



JOHN DICKINSON,
ENGINEER,
BOILER BUILDER, & CO
SUNDERLAND.

