

Apr 98
10:11

Scale 1" = 1 foot

All Plates, rivets, & girders of Steel. Pylons and Tubes W. Iron

515	2 OFF	Intended for Messrs J. Blumenthal & Co. s.s. No	Oct 20 th 1898
520	2 OFF	" " " " " " s.s. No	" "
		Heating Surface in Two Boilers.	
		- 29-30	1

Heating Surface

Tubes	1148 ✓
Funnaces	92 ✓
C. Chambers	161.5 ✓
J. Plates	69.6 ✓
Total in 1 boiler	1501.1 f
" " 2 "	3002.2 f

STAYS WROT: IRON
DIA THRO: 11" EFFIC: DIA EFFEL AREA

1 3/4"	q	1.6048	2.08
2"	6	1.488	2.5
2 1/2	6	2.038	3.26
3 1/4	6	3.036	4.22

between Gears $1\frac{1}{16}$ " Rivet holes -

Long¹ seams fitted with double Butt straps, $\frac{7}{8}$ " thick, Rivet holes $1\frac{1}{8}$ " dia. ✓
Minimum tensile strength of shell plate & Butt straps 24 tons ✓

Rivetting

Grd. Beam	double rivelled	18" wide 38" thick	5 3/4" lat.
b. Chambers & Furnaces	single	8" " 2 1/2 "	2 1/2 "
" " bot. long. beams	double	8" " 2 5/8 "	4 "

MANHOLE 16" x 12" ✓
STIFFENING RING $8\frac{1}{8} \times 15\frac{1}{2}$ ✓
1/16" RIVET HOLES. ✓

J. Dickinson & Sons

C. Nos. 515 & 520

J. Blumer & Co

5/8 "Hawkwood"

Sunderland No. 19931.



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