

19/3/15

SCALE 1 INCH = 1 FOOT.

DOUBLING PLATE ROUND MANHOLE
1 13/32 THICK = 30.34 TONS.


SHELL = 1¹³/₃₂ THICK.
INSIDE BUTT STRAPS = 1¹³/₃₂ "
OUTSIDE BUTT STRAPS = 1³/₁₆ "


TENSILE = 30 TO 34 TONS.


PLATE = 85.625%. RIVETS = 85.8%.


DIMENSIONS.

DIMENSIONS.	TOTAL	
	IN ONE MAIN BOILER	IN TWO MAIN BOILERS
LENGTH OF FIRE BARS	5'-6"	5'-6"
AREA OF FIRE GRATE	74 $\frac{1}{2}$ f	148 $\frac{1}{2}$ f
DIAM. OF TUBES OUTSIDE	2' $\frac{1}{2}$	2' $\frac{1}{2}$
LENGTH OF TUBES <small>BETWEEN PLATES</small>	8'-4"	8'-4"
NO OF TUBES	404	808
AREA THROUGH TUBES	93 $\frac{1}{2}$ f	186 $\frac{1}{2}$ f
SURFACE OF TUBES	2204 $\frac{1}{2}$ f	4408 $\frac{1}{2}$ f
TOTAL HEATING SURFACE	2810 $\frac{1}{2}$ f	5620 $\frac{1}{2}$ f
WORKING PRESSURE	220 lb	220 lb

2" STEEL SCREW STAYS NUTTED AT BOTH ENDS
SHOWN THUS: — 

1 7/8" STEEL SCREW STAYS NUTTED AT BOTH ENDS
SHOWN THUS: — 

1 3/4" STEEL SCREW STAYS NUTTED AT BOTH ENDS
SHOWN THUS: — 

1 3/4" STEEL SCREW STAYS NUTTED ON INSIDE AND
CRAWLED ON OUTSIDE SHOWN THUS: — 

ALL SCREWED 10 THREADS
PER INCH.

LONGITUDINAL STAY BARS 6.09 SQ INCHES
EFFECTIVE AREA. SCREWED 6 THREADS PER INCH.
TENSILE STRENGTH: 28 TO 32 TONS PER SQ INCH.

DOUBLE STEEL GIRDERS NUTS $\frac{3}{4}$ DEEP
10 $\frac{3}{4}$ x 7 $\frac{1}{8}$ RIVETED TOGETHER: —

252 IRON ORDINARY TUBES $2\frac{1}{2}$ EXT DIAM x No 9 L.S.G. THICK.
SWELLED $\frac{1}{16}$ AT FRONT END.
88 IRON STRY TUBES MARKED S: $\frac{3}{16}$ THICK IN BODY. $\frac{1}{4}$ EFFECTIVE.
64 IRON STRY TUBES MARKED N: $\frac{3}{8}$ THICK IN BODY. $\frac{5}{16}$ EFFECTIVE.
87 STRY TUBES SCREWED AT ENDS TO $2\frac{3}{4}$ x $2\frac{1}{2}$ DIAM x 10 THREADS PER
INCH. NUTS TO BE FITTED ON FRONT END WHERE SHOWN.

TOTAL NUMBER OF TUBES = 404

DEIGHTON SECTION STEEL FURNACES.

STEEL STAYS 2% EFFECTIVE. DIAM TAPPED IN AT
BACK END. 7 THREADS PER INCH 28 TO 32 TONS PER SQ IN.

12-6 MEAN LENGTH.

No 614

№ 110102

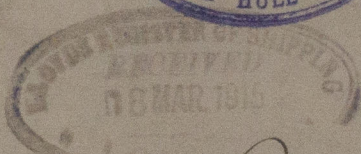
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EARLES CO LD.

Nº 614.

WP = 220 lbs.

2 MAIN BOILERS.



S. Embell "Hull" Apr 17 29850.

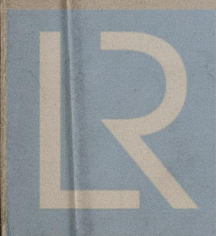


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Department	
Date received	22 MAR 1915
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