

HEATING SURFACE ETC.	59 FT.
HEATING SURFACE IN ONE TUBE *	5.206
" " " 412 TUBES *	2145
" " " 3TURNBACKS *	167
" " " 3 CHAMBERS *	224
" " " BACK TUBE PLATES *	58
" " " FRONT " *	46
TOTAL " " " ONE BOILER *	2640.
TOTAL HEATING SURFACE IN 2 BOILERS *	5280
" GRATE WITH 5/6 FIREBARS *	132 sq
" AREA TH ² TUBES *	24.65.
RATIO - TUBE AREA GRATE AREA =	1.87.
TOTAL STEAM SPACE TO 6" ABOVE LEVEL OF TUBES.	1004 Cuo. Ft.

SHELL: 1 17/64" THICK.
TENSILE - 29 TO 32 1/2 TONS

SCREW STAYS $1\frac{3}{4}$ " DIA. O.T.
3 THREADS PER INCH. EFF
DIA. AT 3 O.T. = $1\frac{13}{32}$ "
FITTED WITH NUTS ON
INNER END TO PROJECT
 $\frac{3}{8}$ " ON OUTSIDE
AND BE CHALKED.

PLAIN TUBES 2 3/4" EX DIA* SWELLED TO 2 7/8" EX DIA* AT FRONT END. 8 WGT
STAY " 2 3/4" " " " 3" " " " 3/4" 5/16"
STAY TUBES SCREWED INTO BOTH TUBE PLATES, 9 THREADS PER INCH.
CONTINUOUS THREAD. EFF DIA* AT 3.0 THREAD BACK END 2 33/64"
FRONT END 2 25/32"

STEEL STAY 2 1/4" DIA. SCREWED INTO BACK TUBER PLATE.
THREADS PER INCH + FITTED WITH TEN NUTS ON INNER

2 1/4 APART. LONGITUDINAL WELD.

MARK	N°OFF	LENGTH	BREADTH	THICK	POSITION	MARK	N°OFF	SKETCH	THICK	POSITION
A	2	2'-7"	123	1 1/16"	SHELLS				3/8"	FRONT TOPS
B	2	29-1"	123	1 1/16"		S	2		3/8"	FRONT TOPS
C	4	10-3"	20 1/2	1"	OUTSIDE BUTTSTRAP				3/8"	FRONT TOPS
D	4	9-3"	20 1/2	1 1/8"	INSIDE "				3/8"	FRONT TOPS
E	4 1/2	2-8 1/4"	13 1/4	7/8"	RIDERS				3/8"	FRONT TOPS
F	2	11-5 1/4"	63	3/4"	BACK TUBE PLATE	T	2		3/8"	FRONT TOPS
G	4	9-3"	70 1/2	3/4"	" " " W.				3/8"	FRONT TOPS
H	2	11-6"	63	1 1/4"	C.C. BACKS. C.				3/8"	FRONT TOPS
J	4	9-3 1/4"	70 1/2	1 1/4"	" " " W.				3/8"	FRONT TOPS
K	2	20-6"	31	2 3/32"	C.C. SIDES. C.	U	2		3/8"	FRONT TOPS
L	2	7-3"	31 1/4"	7/8"	" " BOTTOMS C.				3/8"	FRONT TOPS
M	4	18-1"	31	2 3/32"	C.C. SIDES W.				3/8"	FRONT TOPS
N	4	5-9"	31 1/4"	3/32"	C.C. BOTTOMS W.	V	2		3/32"	FRONT TOPS
P	1	10-6"	21	1 3/8"	MANHOLE DOORS.				3/32"	FRONT TOPS
X	2	2-10 1/4"	30 1/2	1 1/2"	" " RING				3/32"	FRONT TOPS

STAY TUBES SCREWED 9 THREADS PER INCH CONTINUOUS THREAD FOR A DISTANCE OF 2 1/2' AT SWELLED END AND 1' AT THE OTHER.

6-PLAIN TUBES SPARE.	MAIN STAYS (STEEL)	SCREW STAYS (STEEL)
	8 BARS 12'-1 3/4" LONG x 3 1/2" DIA	50 BARS - 12'-0" LONG x 1 3/8" DIA
	16 " 12'-1" " x 2 3/8" "	20 " - 12'-0" " x 1 3/8" "
	4 " 12'-0 1/2" " x 2 3/4" "	3 " - 12'-0" " x 2 3/8" "
	8 " 7'-10" " x 2 3/4" "	2 " - 12'-0" " x 2 3/8" "

N^o. 1132R

Floyd's Register
Foundation

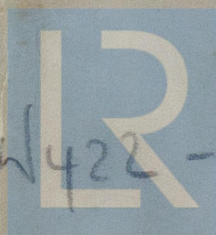
G. CLARK'S 1132
FOR
R THOMPSON'S 321
MAIN BOILERS
AMENDED PLAN

2SE
181WP

No.	3857
LLOYD'S TEST	320
WP.	180 lbs
GAH.	8.11.23

SUNDERLAND RPT. NO. 28876

RETAIN



© 2021

Lloyd's Register
Foundation

W422-0036

W422-0036



© 2021 *Handwritten signature*

Lloyd's Register
Foundation