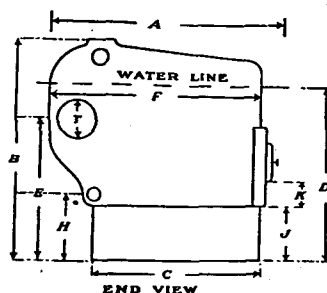


**"PROGRESS"
BOILER
MEASURE-
MENTS**

40 in. Series: A.
64 in.; B. 64 in.;
C. 42 in.; D. 55 in.;
E. 35 in.; F. 60 in.;
H. 19 1/4 in.; J. 16
in.; K. 11 in.; S.
7 1/4 in.; T. 18 in.;
V. 10 1/4 in.; Z. 16 1/4
in.



"Thatcher" Progress Boiler

No.	640	740	840	940	1040	1140	1240	1340	1440
L.....	65 1/4	73	80 1/4	87 1/4	94 1/4	102 1/4	109 1/4	116 1/4	124 1/4
M.....	37 1/4	45	52 1/4	59 1/4	66 1/4	74	81 1/4	88 1/4	95 1/4
P.....	43 1/4	50 1/4	58	65 1/4	72 1/4	79 1/4	87	94 1/4	101 1/4

28 in. Series: A. 46 in.; B. 55 in.; C. 30 in.; D. 48 in.;
E. 35 in.; F. 42 in.; H. 19 1/4 in.; J. 16 in.; K. 11 in.; S. 7 1/4 in.;
T. 12 in.; V. 10 1/4 in.; Z. 16 1/4 in.

No.	528	628	728	828	928	1028
L..	54 1/4	61 1/4	69	76 1/4	83 1/4	90 1/4
M..	30 1/4	37 1/4	45	52 1/4	59 1/4	66 1/4
P..	36 1/4	43 1/4	50 1/4	58	65 1/4	72 1/4

28 in. AND 40 in. TWIN SERIES

All measurements for 28 in. and 40 in. Twin Boilers are the same as above except height of smoke pipe which is on the back of boiler. The length can be determined by adding 7 1/4 in. for each section added. For example: a No. 2040 T. S. Boiler is twice the length of a 1040 as noted above, plus 7 1/4 in. for dividing wall.

"PROGRESS" BOILER—DIMENSIONS AND CAPACITIES

STEAM BOILER			STEAM AND HOT WATER			HOT WATER BOILER	
No.	Rating	Length Inches Less Trim	Grate Area Sq. Ft.	Flow and Re- turns, 2 Each	No. Feed Doors	No.	Rating
528-S	1150	36 1/4	5.98	4"	1	528-W	1925
628-S	1550	43 1/2	7.32	4"	2	628-W	2600
728-S	2000	50 1/4	8.80	4"	2	728-W	3350
828-S	2450	58	10.22	4"	2	828-W	4100
928-S	2900	65 1/4	11.62	4"	2	928-W	4850
1028-S	3350	72 1/2	13.02	4"	2	1028-W	5650
640-S	2600	43 1/2	10.55	5"	2	640-W	4350
740-S	3200	50 1/4	12.37	5"	2	740-W	5275
840-S	3800	58	14.58	5"	2	840-W	6325
940-S	4500	65 1/4	16.53	5"	2	940-W	7500
1040-S	5200	72 1/2	18.61	5"	2	1040-W	8675
1140-S	5900	79 1/4	20.62	5"	2	1140-W	9850
1240-S	6700	87	22.63	5"	4	1240-W	11175
1340-S	7500	94 1/4	24.03	5"	4	1340-W	12500
1440-S	8300	101 1/2	26.66	5"	4	1440-W	13850
1128 T-S	3100	87	14.02	4"	3	1128 T-W	5125
1228 T-S	3550	94 1/4	15.50	4"	4	1228 T-W	5950
1328 T-S	4000	101 1/2	16.91	4"	4	1328 T-W	6700
1428 T-S	4450	108 1/4	18.32	4"	4	1428 T-W	7450
1528 T-S	4900	115 1/4	19.73	4"	4	1528 T-W	8200
1628 T-S	5350	123 1/4	21.14	3"	4	1628 T-W	8950
1728 T-S	5800	130 1/2	22.55	4"	4	1728 T-W	9700
1828 T-S	6400	137 1/4	23.96	4"	4	1828 T-W	10700
1928 T-S	7000	145 1/4	25.37	4"	4	1928 T-W	11700
1540 T-S	7600	116	28.19	4"	4	1540 T-W	12650
1640 T-S	8300	123 1/4	30.21	4"	4	1640 T-W	13800
1740 T-S	9000	130 1/2	32.23	4"	4	1740 T-W	16175
1840 T-S	9700	137 1/4	34.24	4"	4	1840 T-W	17350
1940 T-S	10400	143	36.25	4"	4	1940 T-W	18525
2040 T-S	11100	152 1/4	38.26	4"	5	2040 T-W	19700
2140 T-S	11800	159 1/2	40.27	4"	5	2140 T-W	21025
2240 T-S	12600	166 1/4	42.28	5"	6	2240 T-W	22350
2340 T-S	13400	174	44.30	5"	7	2340 T-W	23675
2440 T-S	14200	181 1/4	46.31	5"	8	2440 T-W	25000
2540 T-S	15000	188 1/2	48.33	5"	8	2540 T-W	26350
2640 T-S	15800	195 1/4	50.35	5"	8	2640 T-W	27700
2740 T-S	16600	203	52.36	5"	8	2740 T-W	29050
2840 T-S	17300	210 1/4	54.37	5"	8	2840 T-W	30400
2940 T-S	18000	217 1/4	56.39	5"	8	2940 T-W	31750

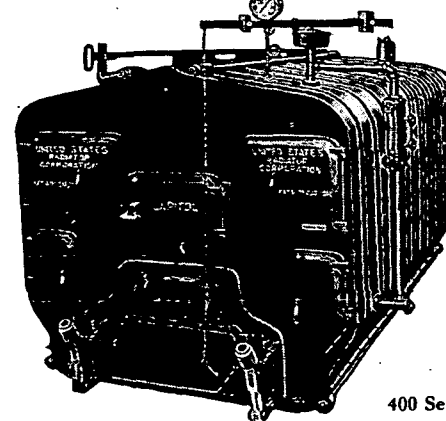
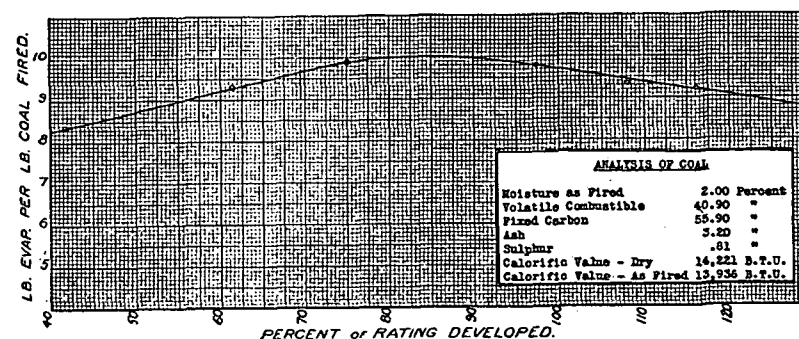
UNITED STATES RADIATOR CORPORATION

GENERAL OFFICES: DETROIT, MICHIGAN

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Manufacturers of Capitol Boilers and United States Radiators

Performance Curve for No. 411 Capitol Smokeless Boiler



400 Series Ratings and Dimensions

Size	Rating Sq. Ft.		Grate Area Sq. Ft.	Coal Capacity Cu. Ft.	*Outlets	Steam Boiler Dimensions			Minimum Chimney Sizes	
	Steam	Water				Height Water Line Inches	Height Inches Including Trimmings	Width Inches Including Trimmings	Diameter Inches	Height Feet
408	3300	5280	8.15	9.00	2-5"	49	71	75	18x18	50
409	3850	6160	8.15	10.40	2-5"	49	71	75	18x18	50
410	4400	7040	10.31	13.30	3-5"	49	71	75	20x20	55
411	4950	7920	12.47	14.70	3-5"	49	71	75	20x20	55
412	5500	8800	12.47	16.30	3-5"	49	71	75	22x22	55
413	6050	9680	14.63	17.70	3-5"	49	71	75	24x24	60
414	6600	10,560	14.63	19.25	4-5"	49	71	75	24x24	60

*All 400 Series Boilers have two 6" inlets on rear of back section.
For smoke pipe, base dimensions and other measurements see page 236.