UNITED STATES RADIATOR CORPORATION

GENERAL OFFICES: DETROIT, MICHIGAN

Manufacturers of Capitol Boilers and Radiators

Branch and Sales Offices

*Boston, Mass.	*Brooklyn, N. Y.	*Cincinnati, Ohio	*Kansas City, Mo.
*Cambridge, Mass.	*Harrison, N. J.	Detroit, Mich.	*St. Louis, Mo.
*Portland, Me.	*Philadelphia, Pa.	*Chicago, Ill.	*Des Moines, Iowa
*Springfield, Mass.	*Baltimore, Md.	*Milwaukee, Wis.	*Omaha, Neb.
*Providence, R. I.	Buffalo, N. Y.	*Indianapolis, Ind.	*Denver, Colo.
*New Haven, Conn.	*Rochester, N. Y.	*Louisville, Ky.	*Portland, Ore.
*Troy, N. Y.	Pittsburgh, Pa.	*Birmingham, Ala.	*Seattle, Wash.
New York, N. Y.	*Cleveland, Ohio	*St. Paul, Minn.	*San Francisco, Calif.
*New Rochelle, N. Y.	*Columbus, Ohio		*Los Angeles, Calif.

*Assembling Plants located at points indicated by asterisk

Manufacturing Plants Located in Following Cities

Bristol, Pa.; Corry, Pa.; Detroit, Mich.; Dunkirk, N.Y.; Edwardsville, Ill.; Geneva, N.Y.; Waukegan, Ill.; West Newton, Pa.

CAPITOL BOILERS

In choosing the correct size of boiler for any building there is one and only one consideration; will it properly heat the required number of square feet of radiation?

The net cast iron radiating surface that each type and size of Capitol Boiler will heat adequately has been determined and is guaranteed in writing.

When the needed radiating surface is known and contributing factors checked, the selection of the proper Capitol Boiler becomes a simple matter.

GUARANTEE

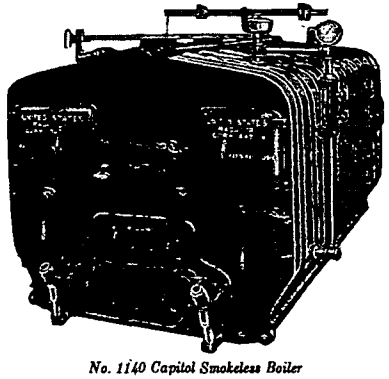
The United States Radiator Corporation will give with each Capitol Boiler sold, an absolute guarantee in writing that it will properly heat its full published amount of direct cast iron radiation provided only that the boiler is connected to a correctly installed system and that the recognized standard requirements are followed. Should any Capitol Boiler not meet these conditions, the additional capacity necessary will be supplied without charge by the United States Radiator Corporation.

Capitol Smokeless Boilers

"Smokeless" simply means complete combustion. And all of the carbon which forms smoke cannot be burned without the correct amount of air, oxygen.

The auxiliary inlets that supply air for complete combustion in Capitol Smokeless Boilers are not dependent upon the skill, guesswork or memory of the fireman.

Their size for each boiler rating is definitely determined in the Capitol Testing Laboratory and permanently fixed at the factory. They need no adjusting. The intensity of the fire itself governs the amount of air drawn in. To further assure accuracy, every Capitol auxiliary inlet is always an integral part of a single boiler section and is never placed between two sections where faulty assembly will cause a variance.



No. 1140 Capitol Smokeless Boiler

Capitol Smokeless Boilers

RADIATOR LOADS AND DIMENSIONS

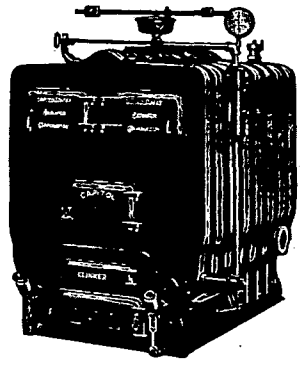
Boiler No.	*Direct Cast Iron Radiator Loads, Sq. Ft. Steam	Water	Height of Water Line, Inches	Grate Area Sq. Ft.	Coal Capacity, Cu. Ft.	Outlets and Inlets	Min. Chimney Sizes Height Feet	Dimensions Inches
520	600	990	46½	3.48	4.32	2-3"	40	12 x 12
620	800	1320	46½	4.37	5.42	2-3"	40	12 x 12
720	1000	1650	46½	5.26	6.52	3-3"	40	12 x 16
820	1200	1980	46½	6.15	7.62	3-3"	45	12 x 16
*See Guarantee. Height including trimmings 66½ in.; width 45 in.								
627	1000	1650	45½	5.32	7.93	2-4"	40	12 x 12
727	1225	2020	45½	6.55	9.75	2-4"	40	12 x 12
827	1450	2390	45½	7.78	11.37	3-4"	45	12 x 12
927	1675	2760	45½	9.01	13.09	3-4"	45	12 x 16
1027	1900	3135	45½	10.24	14.81	3-4"	45	12 x 16
1127	2125	3505	45½	11.47	16.53	3-4"	50	12 x 16
1227	2350	3875	45½	12.70	18.25	4-4"	50	12 x 16
Height including trimmings 68½ in.; width 50¾ in.								
740	2500	4125	49	8.15	10.40	2-5"	50	18 x 18
840	3000	4950	49	10.31	13.30	2-5"	55	18 x 20
940	3500	5775	49	10.31	13.30	2-5"	60	20 x 20
1040	4050	6680	49	12.47	16.30	3-5"	65	20 x 24
1140	4500	7425	49	14.63	19.25	3-5"	70	24 x 24
1240	4900	8085	49	14.63	19.25	3-5"	70	24 x 28
1340	5400	8910	49	16.79	22.20	3-5"	75	24 x 28
Height including trimmings 71 in.; width 75 in.								
750	4700	7755	66	18.29	29.67	3-5"	55	24 x 24
850	5350	8825	66	21.33	34.68	4-5"	60	24 x 24
950	5850	9655	66	21.33	34.68	4-5"	65	24 x 28
1050	6500	10725	66	24.37	39.69	5-5"	70	24 x 28
1150	7000	11550	66	24.37	39.69	6-5"	80	28 x 28
1250	7650	12620	66	27.41	44.71	6-5"	90	28 x 32
1350	8150	13450	66	27.41	44.71	6-5"	95	32 x 32
Height including trimmings 92 in.; width 82 in.								

Capitol Boilers—Square Type

In this group of Capitol Boilers is presented a wide range of sizes from the smallest, the 180 series designed to provide full boiler efficiency in the smallest space, to the largest, the WN 270 series designed and built for heavy duty work.

Many years of service in buildings of every nature throughout the United States have established a reputation for these boilers which is unsurpassed. Contributing factors to the remarkable ease of operation and efficiency of performance are the spacious ash-pit; the correct proportioning of draft openings; the long fire travel and the scientific shaping of the direct and indirect heating surfaces; the durable easy shaking and dumping grates; the big doors; the easily cleaned flues.

The exceptionally low water line of certain sizes permits foundations less deep than usual—an especially important economy where water, sand or rock makes excavating difficult and expensive.



RADIATOR LOADS AND DIMENSIONS

Boiler No.	*Direct Cast Iron Radiator Loads, Sq. Ft. Steam	Water	Height of Water Line, Inches	Grate Area Sq. Ft.	Coal Capacity, Cu. Ft.	Outlets and Inlets	Min. Chimney Sizes Height Feet	Dimensions Inches
184	200	330	40½	1.88	2.33	2-3"	35	8 x 8
185	300	495	40½	2.63	3.17	2-3"	35	8 x 12
186	400	660	40½	3.38	4.01	2-3"	35	8 x 12
187	500	825	40½	4.13	4.84	2-3"	40	8 x 12
*See Guarantee. Height including trimmings 61½ in.; width 36¾ in.								
204	350	580	46½	2.59	4.36	2-3"	35	8 x 12
205	500	825	46½	3.48	5.85	2-3"	35	8 x 12
206	625	1030	46½	4.37	7.34	2-3"	35	12 x 12
207	750	1240	46½	5.26	8.83	3-3"	40	12 x 12
Height including trimmings 66½ in.; width 45 in.								
255	750	1240	49	5.66	8.37	2-4"	40	8 x 12
256	925	1525	49	7.08	10.45	2-4"	40	8 x 12
257	1125	1855	49	8.50	12.53	3-4"	40	12 x 12
258	1300	2145	49	9.92	14.62	3-4"	45	12 x 12
Height including trimmings 70½ in.; width 51 in.								
G276	800	1320	45½	5.32	7.93	2-4"	40	12 x 12
G277	980	1620	45½	6.55	9.65	2-4"	40	12 x 12
G278	1160	1920	45½	7.78	11.37	3-4"	45	12 x 12
G279	1350	2220	45½	9.01	13.09	3-4"	45	12 x 12
Height including trimmings 68½ in.; width 50¾ in.								
235	1200	1980	55	7.28	11.01	2-4"	40	12 x 16
236	1500	2475	55	9.11	13.75	2-4"	45	12 x 16
237	1800	2970	55	10.94	16.49	3-4"	45	16 x 16
238	2100	3465	55	12.77	19.22	3-4"	50	16 x 16
239	2400	3960	55	14.61	21.96	3-4"	50	16 x 16
240	2500	4125	55	16.44	24.70	4-4"	60	16 x 16
Height including trimmings 78 in.; width 58¼ in.								
4106	2000	3300	49	10.31	13.30	†2-5"	45	18 x 18
4107	2500	4125	49	12.47	16.30	2-5"	50	18 x 18
4108	3000	4950	49	14.63	19.25	2-5"	55	18 x 20
4109	3500	5775	49	16.79	22.25	3-5"	60	20 x 20
4110	4000	6600	49	18.95	25.20	3-5"	65	20 x 24
4111	4500	7425	49	21.11	28.20	3-5"	70	24 x 24
†Outlets. Two 6 in. inlets are located in the rear of the back section of 4100 series boilers. Height including trimmings 71 in.; width 75 in.								
WN276	3700	6105	66	15.25	24.66	3-5"	50	20 x 24
WN277	4300	7095	66	18.29	29.67	3-5"	55	24 x 24
WN278	4900	8085	66	21.33	34.68	3-5"	60	24 x 24
WN279	5500	9075	66	24.37	39.69	4-5"	60	24 x 24
WN280	6100	10065	66	27.41	44.71	4-5"	65	24 x 28
WN281	6700	11055	66	30.45	45.96	4-5"	70	28 x 28
WN282	7300	12045	66	30.45	47.21	4-5"	70	28 x 28
WN283	7900	13035	66	30.45	48.46	5-5"	75	28 x 32
WN284	8500	14025	66	30.45	49.72	5-5"	80	32 x 32
Height including trimmings 92 in.; width 82 in.								