

AMERICAN RADIATOR COMPANY

104 West 42nd St.,
New York

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Chicago

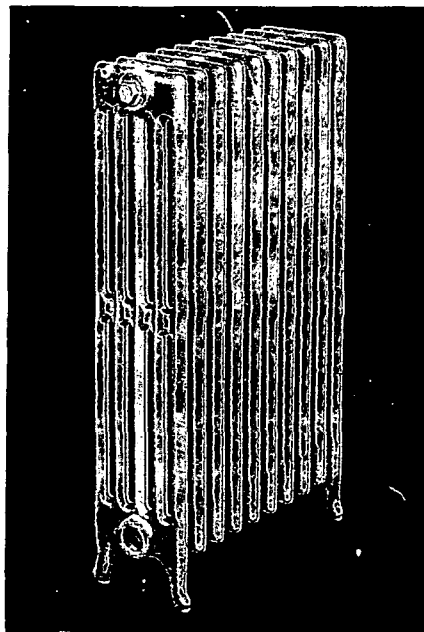
Ideal Boilers, American Radiators, Heating and Vacuum Cleaning Equipments

We present sample pages taken from various catalogs issued by us. The pages selected illustrate a few of our new products, and in part suggest the efforts our Company is putting forth to meet the demands of Engineers for utmost refinement in heating devices.

Catalogs containing valuable data for Engineers are being constantly issued or supplemented, such as the "Ideal Fitter" catalog (384 pages), Vento Data Book for Engineers (48 pages), American Wall Radiator Installation Book (48 pages), Heat Transmission Book (24 pages), Arcola Outfit Installation Book (24 pages), Lowering the High Cost of Cleaning Buildings Through Arco Wand Vacuum Cleaners catalog (12 pages), How to Run the Steam and Hot Water Boilers catalogs (12 pages), Specifications for Steam and Water Systems (8 pages), Ideal Gas Boiler Manuals (16 pages each), Drying of Lumber, Paint and Varnish catalog (48 pages), etc. May we not, therefore, request that all Heating Engineers kindly keep their names on file at our nearest local Sales Branch that they may obtain or have mailed to them latest technical catalogs.

Faithfully,

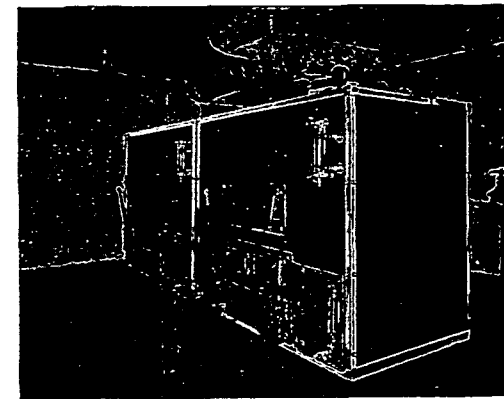
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Illustrates (at left) the CORTO Radiator, of classic design. Its heating surface equals, or exceeds, the best; its water content is three-fourths of a pound per square foot of heating surface, or about one-half the contents of the usual form of radiator; and its condensed spacings permit of placing 30% more heating surface in a given area of floor space than with any other type of radiator.

Send for complete CORTO
Radiator Catalog.

(Pat. Sept. 4, 1917, May 10, 1921, July 19, 1921)



IDEAL Type "A" Heat Machines

IDEAL Type "A" Boilers are made in three series, ranging in Steam from 450 to 6,500 sq. ft., and in Water from 750 to 11,000 sq. ft. They specially lend themselves to installation in battery form. IDEAL Boiler ratings conform with the rating formula of the A.-S. H. & V. E.

Steam						Water					
Boiler No.	8-Hour Rating Sq. Ft.	No. of Sections	Total Length Inches	Grate Area Sq. Ft.	*Safety Valve Size Inches	Boiler No.	8-Hour Ratings Sq. Ft.	No. of Sections	Total Length	Grate Area Sq. Ft.	
3-A-5	2600	5	38	8	1-2½	3-A-50	4400	5	38	8	
3-A-6	3250	6	46	10	1-3	3-A-60	5500	6	46	10	
3-A-7	3900	7	54	12	1-3	3-A-70	6600	7	54	12	
3-A-8	4550	8	62	14	2-2½	3-A-80	7700	8	62	14	
3-A-9	5200	9	70	16	2-2½	3-A-90	8800	9	70	16	
3-A-10	5850	10	78	18	1-3, 1-2½	3-A-100	9900	10	78	18	
3-A-11	6500	11	86	20	1-3, 1-2½	3-A-110	11000	11	86	20	

Height of Water Line, 49 inches. Steam Boilers have one 8-inch Outlet, and one 5-inch Inlet. Water Boilers have one 8-inch outlet and two 8-inch inlets.

For list price, see Current Trade Discount sheet.

*Safety Valve sizes accord with A. S. M. E. boiler code.

Factors determining boiler capacities (derived from actual tests):

	5	6	7	8	9	10	11
Number of Boiler—Steam or Water	578	722	866	1012	1156	1300	1445
Fuel available, lbs.	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Evaporative power, lbs.	5200	6500	7800	9110	10410	11700	13010
Total steam from one fuel charge, lbs.	256	256	320	400	400	400	400
Chimney area (sea level), sq. in.	40	45	45	50	50	55	60
Chimney height*, ft.							

*For additional chimney flue sizes, see page 36 of "Ideal Fitter."

For Smoke Pipe and other dimensions, see pages 37 of "Ideal Fitter."

For good chimney construction and its influence on boiler selection, see pages 235 and 236 of "Ideal Fitter."

Height of boiler, 63 inches. Width of boiler, 76 1/2 inches.

For selection of proper size boiler, see pages 240-251 of "Ideal Fitter."

Ratings Developed When Available Fuel Is Burned in 8, 10 or 12 Hours

Steam Rating								Water Rating							
TIME	5 Sec.	6 Sec.	7 Sec.	8 Sec.	9 Sec.	10 Sec.	11 Sec.	5 Sec.	6 Sec.	7 Sec.	8 Sec.	9 Sec.	10 Sec.	11 Sec.	
8 Hours	2600	3250	3900	4550	5200	5850	6500	4400	5500	6600	7700	8800	9900	11000	
10 Hours	2080	2600	3120	3640	4160	4680	5200	3520	4400	5280	6160	7040	7920	8800	
12 Hours	1735	2170	2600	3035	3470	3900	4335	2935	3670	4400	5135	5870	6600	7340	