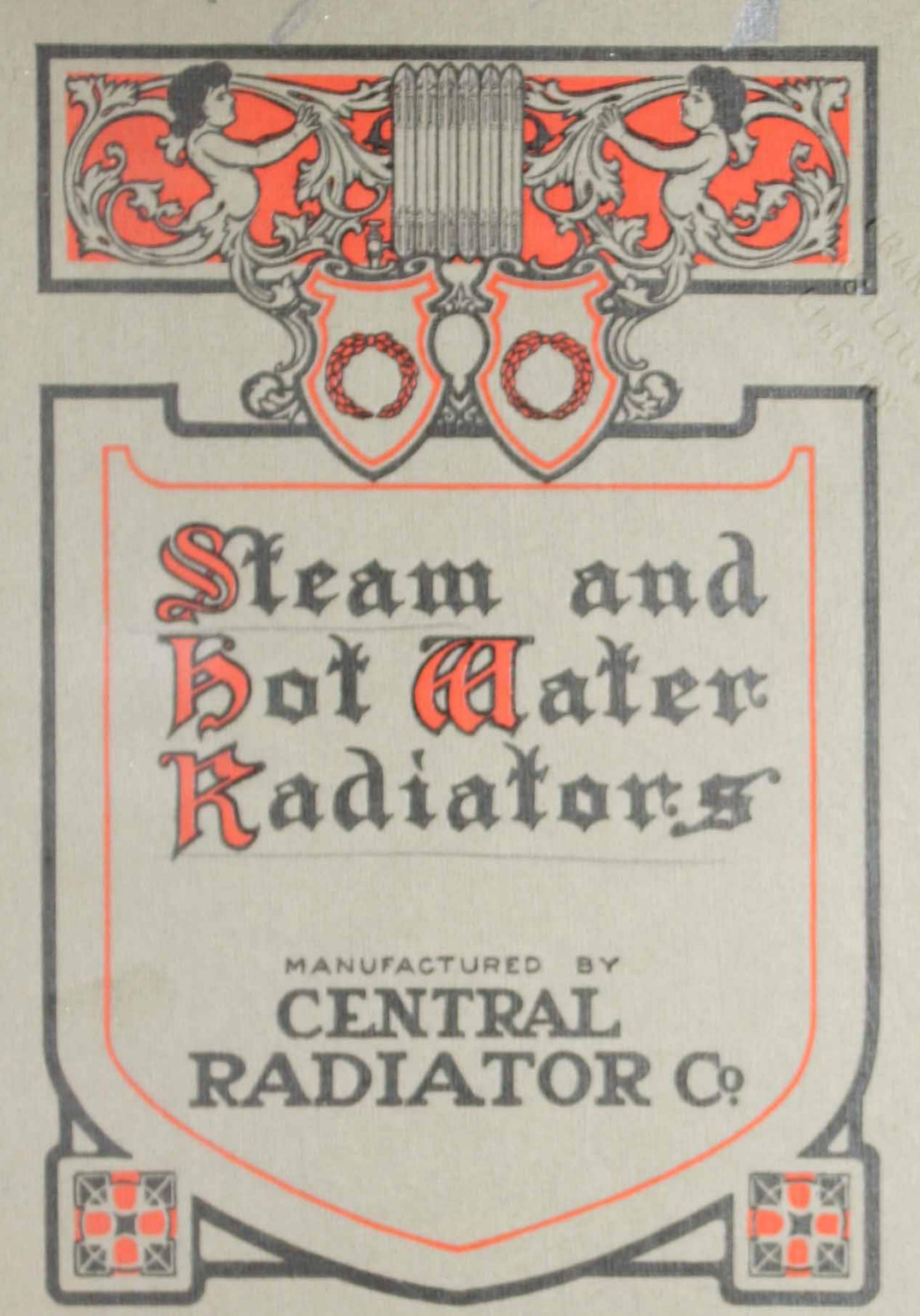
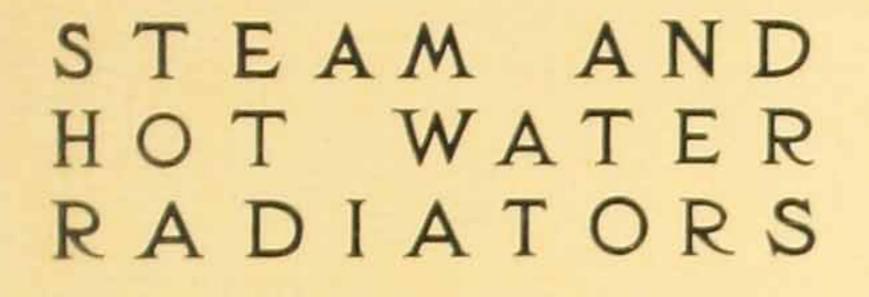
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PHILADA, OFFICE, BUILDERS EXCHANGE 24 SO. SEVENTH ST.





July 1st 1906

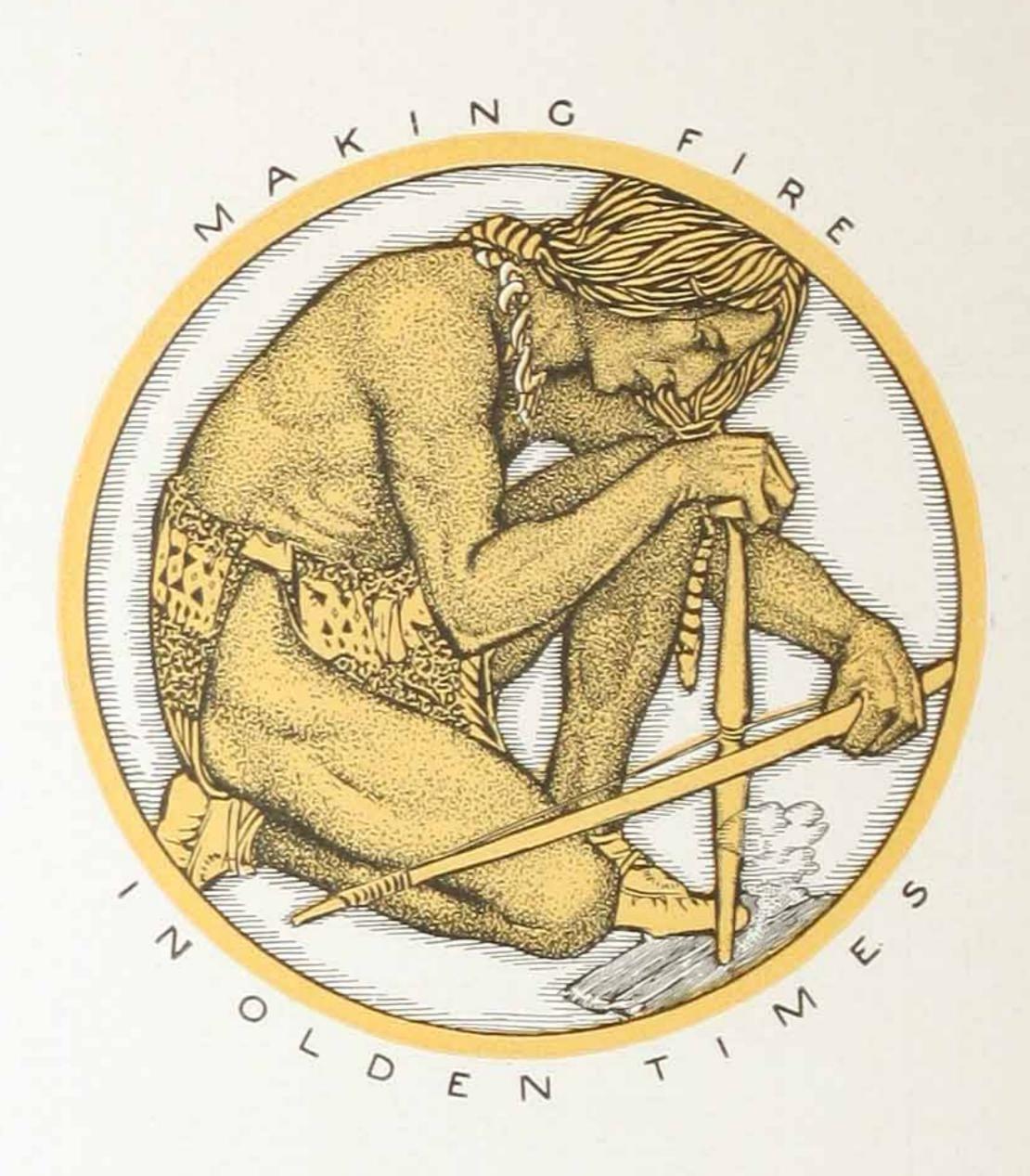
TO SUPERSEDE ALL PREVIOUS LISTS



NewYork

CENTRAL
Lansdale
Penna.

COMPANY



# ntroductory

### Quality-Efficiency

IN designing our various styles of radiation, it has been our aim to present to the trade a class and character of goods combining quality and excellence in style with efficiency, not only from a theoretical but from a practical standpoint.

The construction and contour of the loops in all our radiation is such that practically all of the exposed or heating surface area of the radiator is "prime heating surface" and "not extended," a feature which insures extreme possibilities as regards efficiency. This combined with the large, free and open air space circulating areas in and between the sections admits of a positively equal and free dissemination of the heat—the necessary and essential features requisite in perfect and efficient radiation.

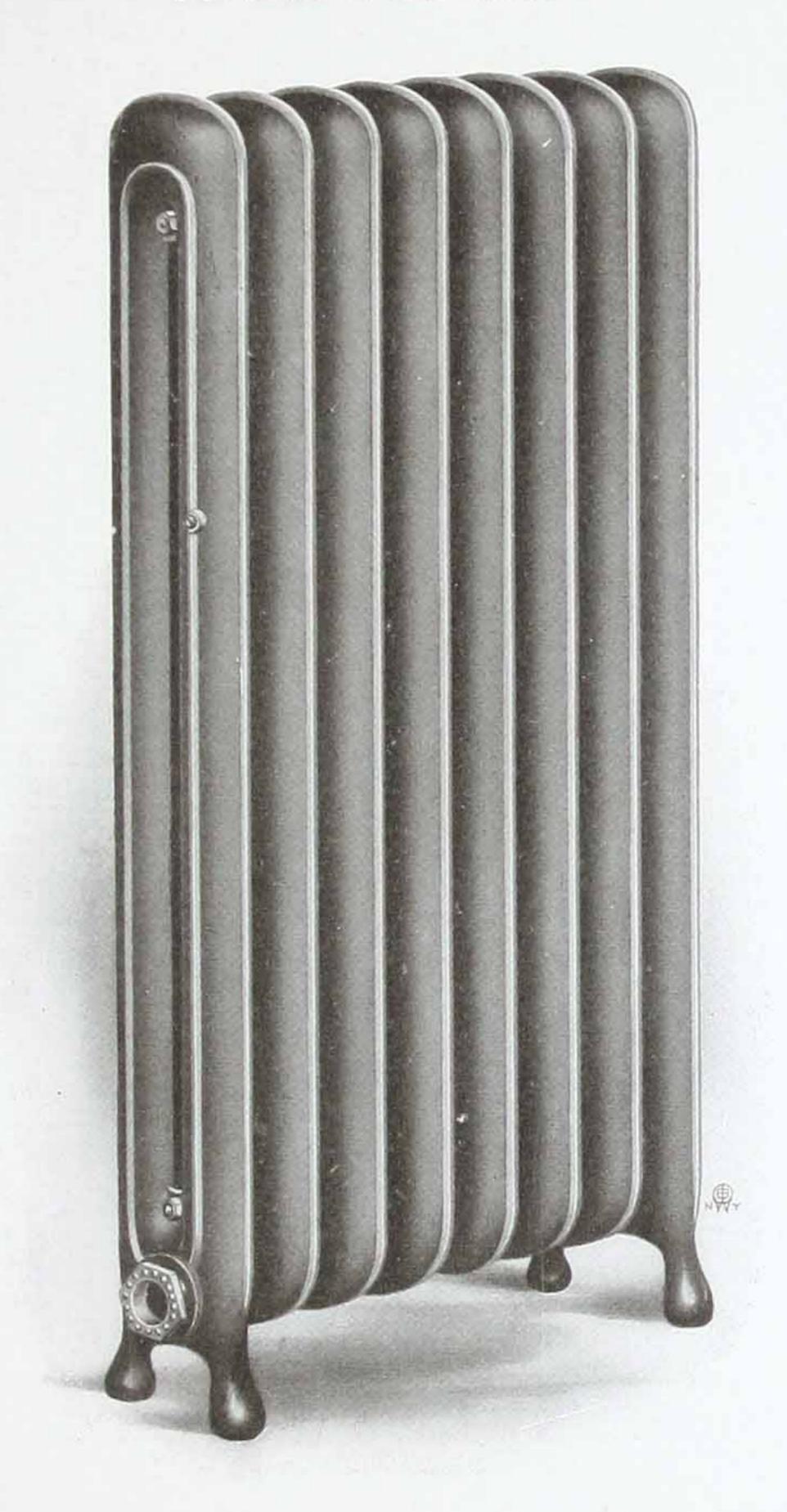
The results of the experience of some of the foremost heating and ventilating engineers of the country in the use of our goods fully testify to all the claims which we make as above.

# Central Single Column—Plain Radiators

Particularly adapted for hallways in private or public buildings where passage or floor space are considerations to be studied, as well as cleanliness and freedom from dust and dirt.

# Central—Single Column—Plain Radiators

For Steam or Hot Water



Width at top of Radiator, 5 inches. Width of Legs, 5½ inches

Made in 38, 32 and 26 inch heights



# Central Single Column—Ornamented Radiators

Particularly adapted for hallway, bathroom, lavatory or similar places where passage or floor space are considerations to be studied.

When decorated to harmonize with wainscoting, these radiators will add to the beauty of any room.

# Central—Single Column—Ornamented Radiators

For Steam or Hot Water



Width at top of Radiator, 5 inches. Width of Legs, 5½ inches

Made in 38, 32 and 26 inch heights

# Central Two Column Narrow—Ornamented Radiators

Handsome in design—specially adapted for places where increased heating area in a limited floor space to be occupied is desired.

# Central—Two Column Narrow—Ornamented Radiators

For Steam or Hot Water



Width at top of Radiator, 5 inches. Width of Legs, 5½ inches

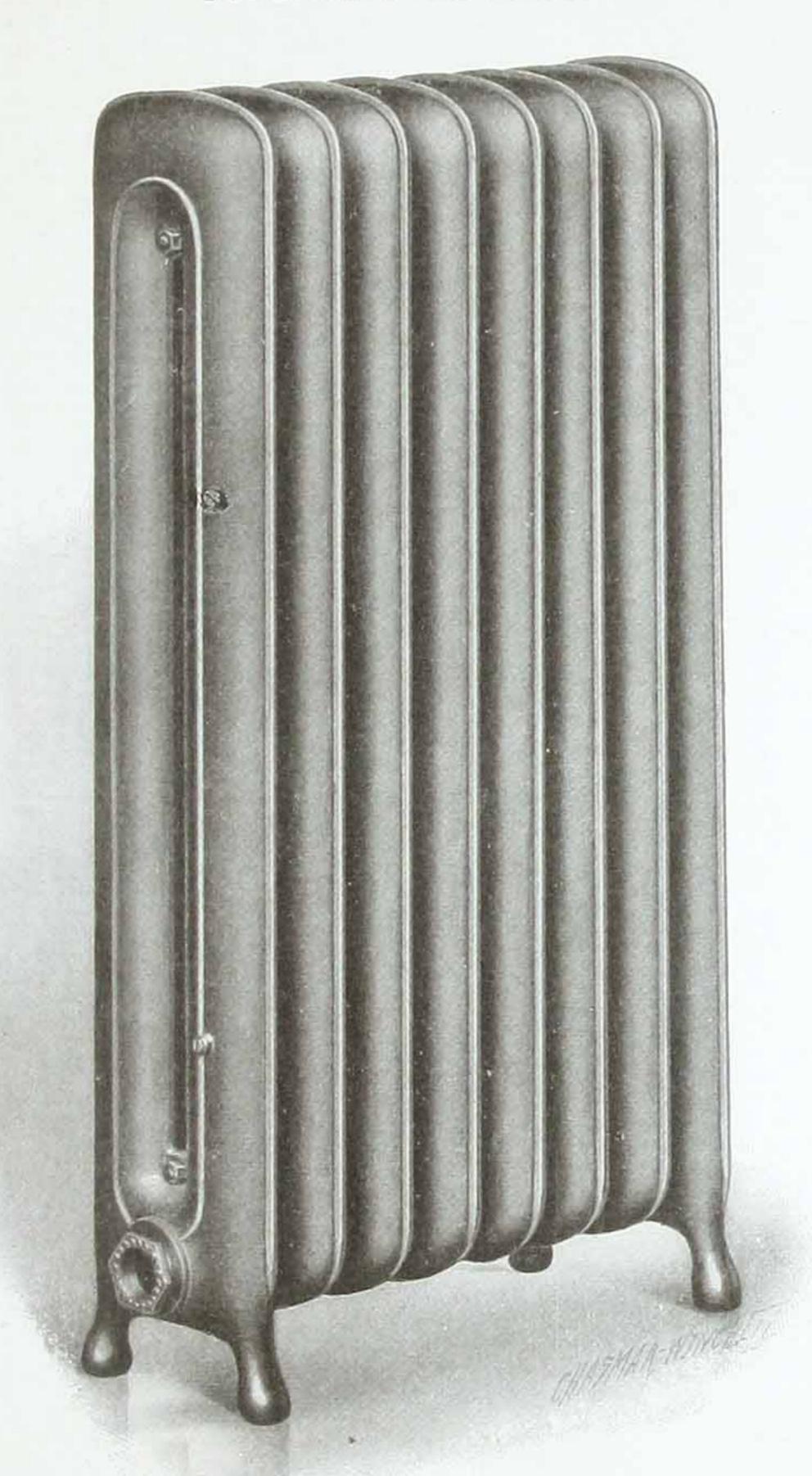
Made in 38, 32 and 26 inch heights

# Central Two Column—Plain Radiators

Classic in style and design—particularly adapted for office and public buildings, auditoriums, etc.—where character and harmony in design are desired as well as cleanliness and freedom from dust and dirt and where hygienic conditions are aimed at.

# Central—Two Column—Plain Radiators

For Steam or Hot Water



Width at top of Radiator, 7 % inches. Width of Legs, 8 % inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

# Central Two Column—Ornamented Radiators

Artistic in design—especially adapted for small apartment usage—where occupied space, owing to contracted rooms and consequently limited requirements, are the considerations to be studied.

# Central—Two Column—Ornamented Radiators

For Steam or Hot Water



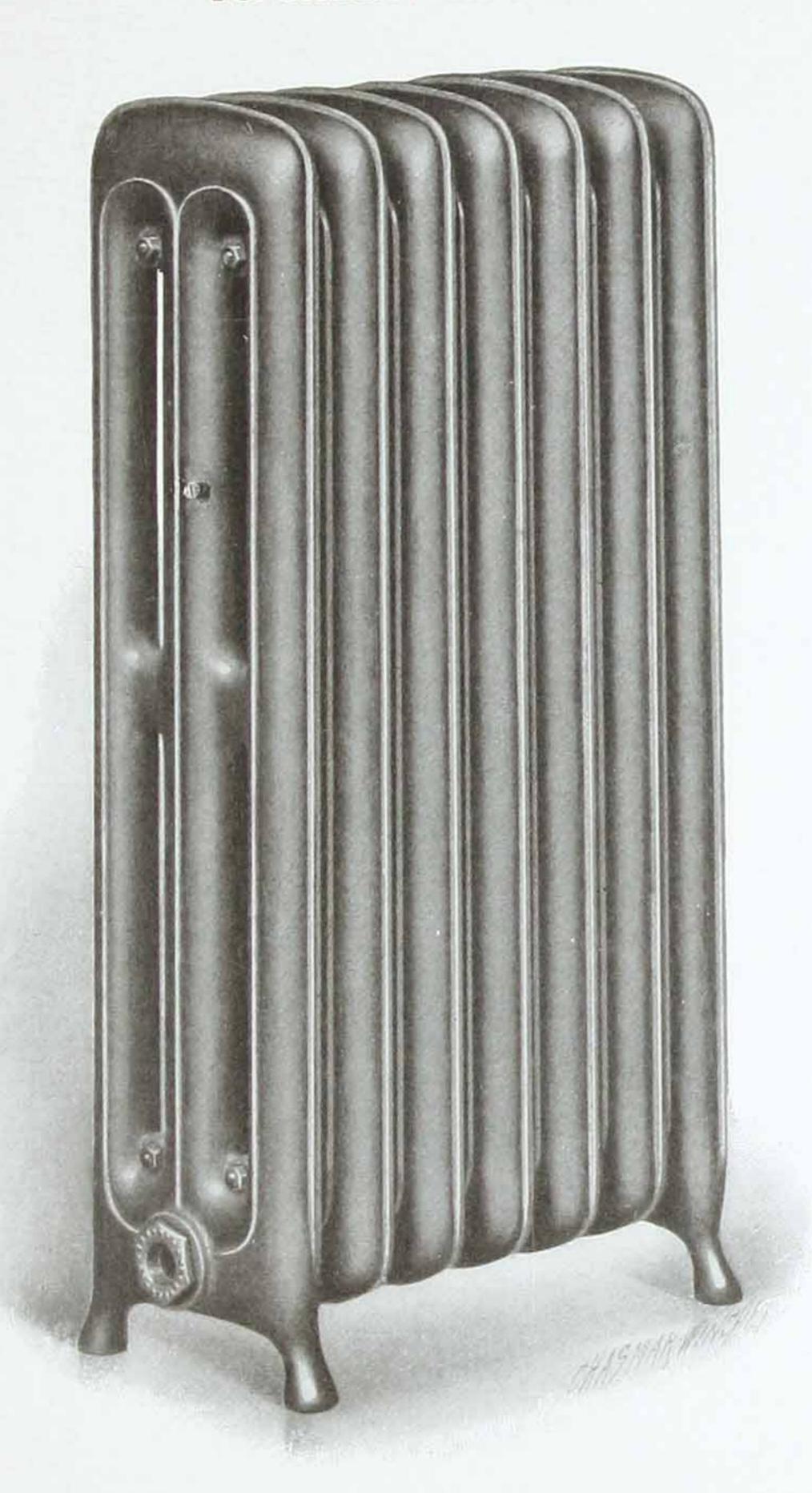
Width at top of Radiator, 7 1/4 inches. Width of Legs, 8 1/4 inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

# Central Three Column—Plain Radiators

Rich and artistic—designed to satisfy the taste of the most fastidious—combining plain richness and elegance—character and cleanliness—a modern type, where health and beauty are considerations.

# Central—Three Column—Plain Radiators

For Steam or Hot Water



Width at top of Radiator, 9 1/4 inches. Width of Legs, 10 1/4 inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

# Central Three Column—Ornamented Radiators

Handsome and efficient—the pinnacle of perfection—particularly designed for general and high class usage. In the mansion or cottage its attractive design will prove an ornament—thoroughly efficient in its construction, it assures comfort in any home or place wherein installed.

# Central—Three Column—Ornamented Radiators

For Steam or Hot Water



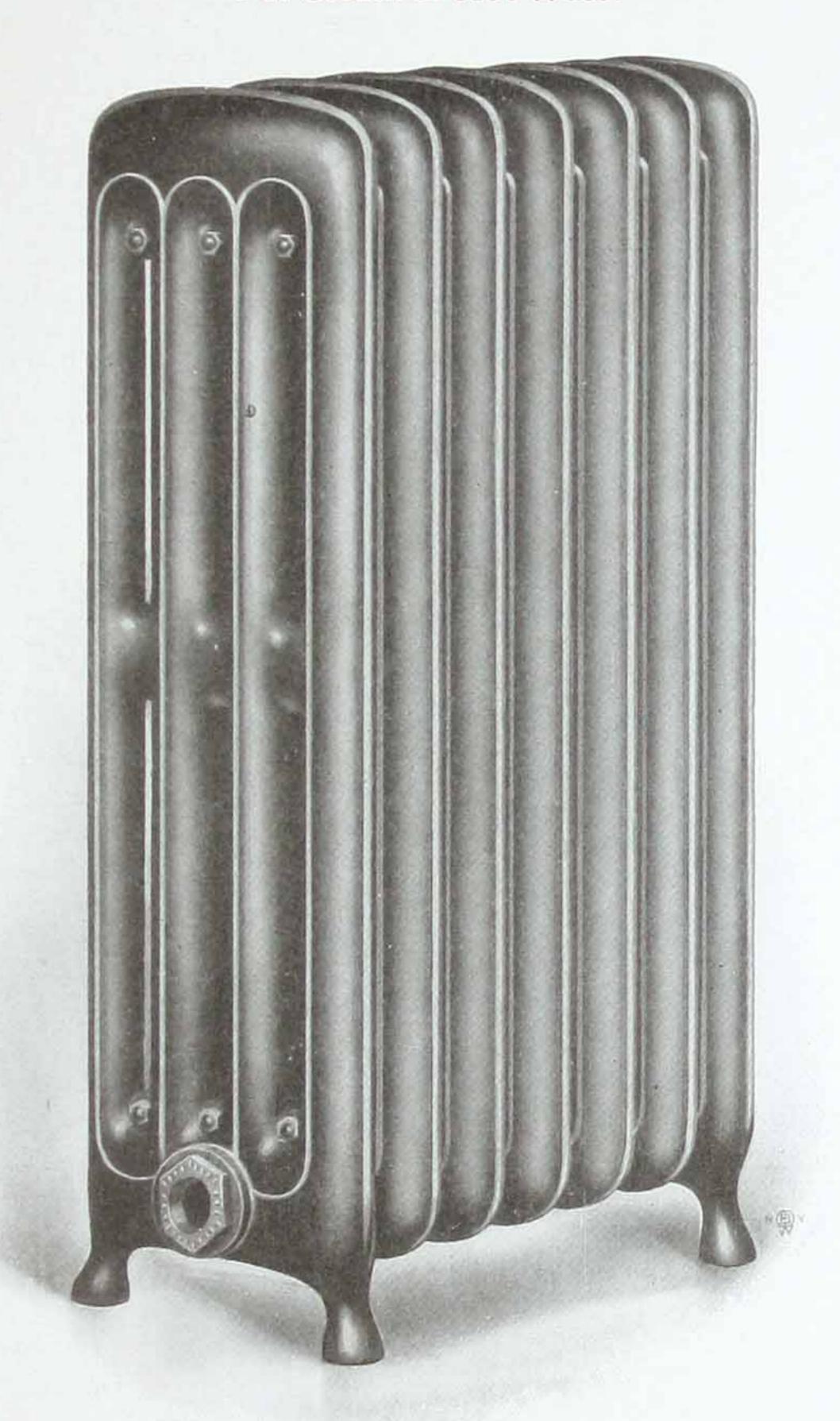
Width at top of Radiator, 9 1/4 inches. Width of Legs, 10 1/4 inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

# Central Four Column—Plain Radiators

A fitting companion to our One, Two and Three Column Plain Radiators—where large heating surface areas are required.

# Central—Four Column—Plain Radiators

For Steam or Hot Water



Width at top of Radiator, 12 inches. Width of Legs, 12% inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

For Heating Areas, Etc., Note List on Page 31

# Central Four Column—Ornamented Radiators

Combining all the necessary and essential features—are especially adapted where large heating areas in a limited space are considerations.

# Central—Four Column—Ornamented Radiators

For Steam or Hot Water



Width at top of Radiator, 12 inches. Width of Legs, 12% inches Made in 44, 38, 32, 26, 22, 20 and 18 inch heights

## Central Wall Radiator

(Story's Patent)

In designing our Wall Radiator it was our object and aim to present to the trade a radiator adaptable for use in difficult places, and which would supplant the unsightly pipe coil or box coil effect usual where this character of apparatus is installed, and which could be utilized for hallway, bathroom, lavatory, auditoriums, public buildings or similar places, where both passage and floor space was a consideration to be studied, and also to supply an article having superiority in heating qualities and efficiency. It is handsome and attractive in design and thoroughly efficient as a heat dispeller, having large, free and open air space areas in and between the sections.

As the list indicates, each section is made of the same width, but of various heights to meet the requirements in all ordinary cases; the sections being connected together with right and left nipples, as shown in Figure 2, any number of sections can be placed together to make a radiator of any desired length, or to fit in any special place, as desired. There are projecting lugs on the inside of the right and left nipples used, so that sections can be put together by the special wrench which we furnish for the purpose, or by using a 1½ inch bar of iron flattened at one end, and turning same with a wrench, either of which can be inserted through the radiator so as to screw or unscrew the joints, as desired.

We assemble and ship complete all radiators up to seven loops in length. Where radiators are desired in extremely long lengths we can provide a right and left threaded nipple having a shoulder at the center, which will easily enable the fitter to connect the stacks or rows on the job, precluding the necessity of his assembling each section separately. They can be used for either single or double pipe steam work or for hot water, as desired. They can also be erected in series of rows, where desired, by means of connections at either or both ends which the fitter can easily make by means of elbows and right and left nipples.

## Central Wall Radiator

(Story's Patent)

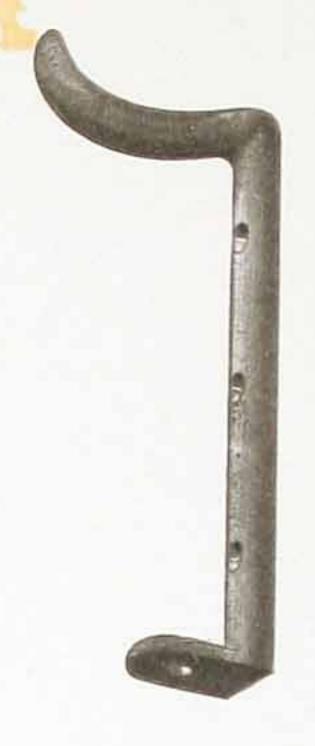


Figure 1. Illustrating a single section.



Figure 2. Illustrating two sections joined together and which can be increased to any desired number of sections.

## Wall Radiator Brackets



No. 1 Foot Bracket



No. 3. Wall or Concealed Bottom Bracket



No. 4. Wall or Concealed Top Bracket



No. 2 Surbase Bracket

Our brackets are made of wrought iron of the styles as illustrated, so that the steamfitter can utilize them in all ordinary cases, or, when desired, he can easily form them to meet any special requirements with a few blows of the hammer. Special brackets made to any particular design on receipt of sketch.

#### Brackets

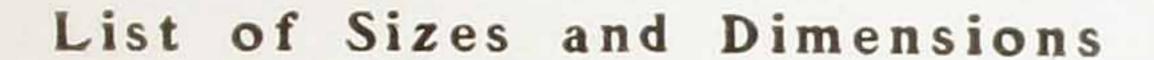
No. 1.	Foot bracket, height to rest, 8 inches .	15 cents
No. 2.	Surbase bracket, height to rest, 10 1/4 inches	15 cents
No. 3.	Bottom wall or concealed bracket	10 cents
No. 4.	Top wall or concealed bracket	10 cents

Foot or surbase brackets furnished any height desired, and priced accordingly. When ordering give height radiator is desired to rest from floor.

Special T handle wrenches for assembling, \$1.25 each



(Story's Patent)



Number	Width	Height	Heating Surface	Price
	Inches	Inches	Feet	Per Foot
1	15	15	6	\$0.42
2	15	18	7	.42
4	15	24	9	.42

Width of radiator 3¼ inches, with an additional allowance of ½ inch for projection of brackets.

In estimating the length of radiator where tappings are smaller than 11/2 inches, allow 1/2 inch each end for the bushings.

These radiators are tapped 1½ inches, right hand standard threads on the side outlets at both top and bottom at each end, and we plug and bush same with ornamental bushings, which are interchangeable, admitting of any desired connections for the supply and return pipes either in a steam or hot water heating system.

Left hand thread tappings furnished as desired.

sketch.

#### When Ordering Please Supply the Following Information

Give number of sections and the height of same desired in each radiator.

State whether for steam one pipe or two pipe, or hot water heating.

State number and style of brackets desired, and if special brackets furnish

For List of Tappings see Page 32

# Central—Window Seat—Plain Radiators

For Steam or Hot Water



Width at top of Radiator, 12 inches. Width of Legs, 12 inches

Made only in 14 inch height.

Each section occupies 21/2 inches in length of radiator when made up.

Each section contains 31/2 square feet of heating surface area.

Distance from floor level to center of tappings, 3 inches.

Price per foot, 64 cents.

List of Sizes and Dimensions

#### Single Column—Ornamented or Plain

## Radiators

#### For Direct Steam or Hot Water

		HEATING	SURFACE-SQU	ARE FEET
No. of Loops or Sections	Length 2½ Inches Per Sec.	38 Inches High 3 Sq. Ft. Per Sec.	32 Inches High 2½ Sq. Ft. Per Sec.	26 Inches High 2 Sq. Ft. Per Sec.
	Inches	Sq. Ft.	Sq. Ft.	Sq. Ft.
2	5	6	5	4
3	7 1/2	9	7 1/2	6
4	10	12	10	8
5	121/2	15	121/2	10
6	15	18	15	12
7	171/2	21	171/2	14
8	20	24	20	16
9	22 1/2	27	22 1/2	18
10	25	30	25	20
11	271/2	33	271/2	22
12	30	36	30	24
13	32 1/2	39	32 1/2	26
14	35	42	35	28
15	371/2	45	371/2	30
16	40	48	40	32
17	421/2	51	421/2	34
18	45	54	45	36
19	$20$ $22\frac{1}{2}$ $25$ $27\frac{1}{2}$ $30$ $32\frac{1}{2}$ $35$ $37\frac{1}{2}$ $40$ $42\frac{1}{2}$ $45$ $47\frac{1}{2}$ $50$ $52\frac{1}{2}$ $55$ $57\frac{1}{2}$	24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69	$20$ $22\frac{1}{2}$ $25$ $27\frac{1}{2}$ $30$ $32\frac{1}{2}$ $35$ $37\frac{1}{2}$ $40$ $42\frac{1}{2}$ $45$ $47\frac{1}{2}$ $50$ $52\frac{1}{2}$ $55$ $57\frac{1}{2}$	38
20	50	60	50	40
21	521/2	63	521/2	42
22	55	66	55	44
23		69	5/1/2	46
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	60	72	60	16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
25	62 ½	75	621/2	50
Price	per foot	\$0.42	\$0.46	\$0.50

Larger radiators furnished any length desired.

Price on curved, round, or corner radiators furnished on application.

In estimating the length of radiator where tappings are smaller than  $1\frac{1}{2}$  inches allow  $\frac{1}{2}$  inch for the bushing.

Distance from floor to center of tapping in single connection radiator, 4 inches. Distance from wall to center of tapping in single connection radiator, 2¾ in. Distance from floor to center of tapping in twin connection radiators, 4 inches.

Distance from wall to center of tapping in twin connection radiators, 1% in. Distance from center to center of twin connection tappings, 2 inches.

List of Sizes and Dimensions

#### Two Column Narrow-Ornamented

### Radiators

#### For Direct Steam or Hot Water

		HEATIN	G SURFACE—SQUA	RE FEET
No. of Loops or Sections	Length 3½ Inches Per Sec.	38 Inches High 4 Sq. Ft. Per Sec.	32 Inches High 3½ Sq. Ft. Per Sec.	26 Inches High 2% Sq. Ft Per Sec.
	Inches	Sq. Ft.	Sq. Ft.	Sq. Ft.
9	7	8	62/3	51/3
2	10½	12	10	8
1	14	16	131/3	$10^{2/3}$
5	17 1/2	20	$16\frac{2}{3}$	131/3
6	21	24	20	16
0	24 1/2	28	231/3	18%
0	28	32	26%	21 1/2
0				24 26 <sup>2</sup> / <sub>3</sub> 29 <sup>1</sup> / <sub>3</sub> 32 34 <sup>2</sup> / <sub>3</sub>
10	35	36 40	331/2	26%
10	381/	44	362/3	291/3
10	19	48	40	32
12	451/	52	431/2	342/3
10	49	56	462/3	37 1/3
12 13 14 15 16 17	521/	44 48 52 56 60 64 68 72	50	40
16	56	64	53 1/3	42%
17	591/	68	562/3	451/3
10	63	72	- 60	48
18 19	66 1/2		63 1/3	50%
20	70	80	662/3	531/3
21	731/	84	70	56
20 21 22 23	$31\frac{1}{2}$ $35$ $38\frac{1}{2}$ $42$ $45\frac{1}{2}$ $49$ $52\frac{1}{2}$ $63$ $66\frac{1}{2}$ $70$ $73\frac{1}{2}$ $77$	76 80 84 88 92	30 33½ 36⅔ 40 43⅓ 46⅔ 50 53⅓ 56⅔ 60 63⅓ 66⅔ 70 73⅓	582/3
93	80 1/2	92	76%	61 1/3
24	84	96	76 <sup>2</sup> / <sub>3</sub> 80	64
25	84 87 ½	100	831/3	37 1/3 40 422/3 45 1/3 48 502/3 53 1/3 56 582/3 61 1/3 64 662/3
Price	per foot	\$0.42	\$0.46	\$0.50

Larger radiators furnished any length desired.

Price on curved, round, or corner radiators furnished on application.

In estimating the length of radiator where tappings are smaller than 11/2 inches allow 1/2 inch for the bushing.

Distance from floor to center of tapping in single connection radiator, 4 inches. Distance from wall to center of tapping in single connection radiator, 2¾ in. Distance from floor to center of tapping in twin connection radiators, 4 inches. Distance from wall to center of tapping in twin connection radiators, 1¾ in.

Distance from center to center of twin connection tappings, 2 inches.

List of Sizes and Dimensions

#### Two Column—Ornamented or Plain

## Radiators

#### For Direct Steam or Hot Water

Suc			HE	ATING SU	RFACE—SC	QUARE FEE	ET	
No. of Loops or Sections	Length 2½ Inches Per Sec.	44 Inches High 5 Sq. Ft. Per Sec.	38 Inches High 4 Sq. Ft. Per Sec.	32 Inches High 3½ Sq. Ft. Per Sec.	26 Inches High 2% Sq. Ft. Per Sec.	22 Inches High 2½ Sq. Ft. Per Sec.	20 Inches High 2 Sq. Ft. Per Sec.	18 Inches High 134 Sq. Ft Per Sec.
	Inches	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
2	5	10	8	62/3	51/3	42/3	4	31/2
3	71/2	15	12	10	8	7	6	5 1/4 7
4	10	20	16	131/3	102/3	91/3	8	7
5	121/2	25	20	16%	131/3	$11\frac{2}{3}$	10	834
6	15	30	24	20	16	14	12	101/2
7	171/2	35	28	231/3	182/3	16 1/3	14	121/4
8	20	40	32	$\frac{26^{2}}{30}$	21 1/3	18 <sup>2</sup> / <sub>3</sub> 21 23 <sup>1</sup> / <sub>3</sub>	16	14
9	22 1/2	45	36	30	24	21	18	153/4
9 10 11 12 13 14 15	25	50	40	331/3	262/3	231/3	20	171/2
11	27 1/2	55	44 48 52 56	36%	291/3	252/3	22	191/4
12	30	60	48	40	32	28 30 1/3	24	21
13	32 1/2	65	52	431/3	342/3	30 1/3	26	223/4
14	35	70	56	462/3	371/3	322/3	28	24 1/2
15	371/2	75	60 64	50 53 ½	40	35	30	261/4
16 17	40	80	64	53 1/3	42%	371/3	32	28 29 3/4
17	42 1/2	85	68	562/3	451/3	392/3	34	29%
18 19	45	90	72	60	48 50 <sup>2</sup> / <sub>3</sub>	42	36	31 1/2
19	471/2	95	68 72 76 80 84 88 92	63 1/3	591/	44 1/3	38 40	33 1/4
20 21	50	100	81	662/3	53 1/3	462/3	42	35 36 ¾
22	52 1/2	105 110	99	70 73 ½	56 58 <sup>2</sup> / <sub>3</sub>	49 51 ½	44	381/2
92	55 57½	115	09	762/3	61 1/3	532/3	46	40 1/4
23 24	60	120	96	80	64	56	48	42
25	621/2	125	100	831/3	662/3	581/3	50	4334
Price	e per foot	\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57	\$0.58

Larger radiators furnished any length desired.

Prices on curved, round, or corner radiators furnished on application.

In estimating the length of radiator where tappings are smaller than 11/2 inches allow 1/2 inch for the bushing.

Distance from floor to center of tapping in single connection radiator, 4 inches. Distance from wall to center of tapping in single connection radiator,  $4\frac{1}{8}$  in. Distance from floor to center of tapping in twin connection radiators, 4 inches. Distance from wall to center of tapping in twin connection radiators,  $2\frac{1}{4}$  in. Distance from center to center of twin connection tappings,  $3\frac{3}{4}$  inches.

List of Sizes and Dimensions

### Three Column—Ornamented or Plain

## Radiators

#### For Direct Steam or Hot Water

bs			HE	ATING SU	RFACE—S	QUARE FE	ET	
No. of Loops or Sections	Length 2½ Inches Per Sec.	44 Inches High 7 Sq. Ft. Per Sec.	38 Inches High 6 Sq. Ft. Per Sec.	32 Inches High 5 Sq. Ft. Per Sec.	26 Inches High 4 Sq. Ft. Per Sec.	High	20 Inches High 3¼ Sq. Ft. Per Sec.	High 3 Sq. Ft. Per Sec.
	Inches	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
2	5	14	12	10	8	7	61/2	6
3	71/2	21	18	15	12	101/2	93/4	9
4	10	28	24	20	16	14	13	12
5	121/2	35	30	25	20	171/2	161/4	15
6	15	42	36	30	24	21	191/2	18
7	171/2	49	42	35	28	24 1/2	223/4	21
0	20	56	48	40	32	28	26	24
0	22 1/2	63	54			31 1/2	291/4	27
10	25	70	60	50	40	35	32 1/2	30
11	27 1/2	77	66	55	44	381/2	35 3/4	33
10	30	77 84 91 98		60	48	42	39	36
12	32 1/2	91	78	65	52	45 1/2	421/4	39
1/	35	98	84	70	56	49	45 1/2	42
15	37 1/2	105	72 78 84 90 96	75	60	52 1/2	4834	45
16	40	105 112	96	80	64	56	52	48
17	421/2	119	102	85	68	591/2	551/4	51
18	45	126	108	90	72	63	581/2	54
19	471/2	133	114	95	76	66 1/2	6134	57
20	50	133 140	120	45 50 55 60 65 70 75 80 85 90 95 100	80	70	65	60
21	521/2	147	126	105	36 40 44 48 52 56 60 64 68 76 80 84 88 96	31½ 35 38½ 42 45½ 49 56 59½ 66 59½ 70 73½ 77 80½ 84	29 ¼ 32 ½ 35 ¾ 42 ½ 48 ¾ 52 ¼ 58 ½ 61 ¾ 62 ¼ 71 ½	30 36 39 42 45 48 51 54 57 60 63 69 72
9 10 11 12 13 14 15 16 17 18 19 20 21 22	55	154	132	110	88	77	71½	66
23	571/2	161	138 144	115 120	92	801/2	74 ¾ 78	69
24	60	161 168	144	120	96	The state of the s		
25	62 1/2	175	150	125	100	87 1/2	81 1/4	75
ric	e per foot	\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57	\$0.58

Larger radiators furnished any length desired.

Prices on curved, round, or corner radiators furnished on application.

In estimating the length of radiator where tappings are smaller than 11/2 inches allow 1/2 inch for the bushing.

Distance from floor to center of tapping in single connection radiator, 4 in.

Distance from wall to center of tapping in single connection radiator, 5 1/8 in.

Distance from floor to center of tapping in twin connection radiators, 3\(\frac{3}{4}\) in.

Distance from wall to center of tapping in twin connection radiators, 3\(\frac{1}{4}\) in.

Distance from center to center of twin connection tappings, 3 1/8 inches.

List of Sizes and Dimensions

#### Four Column—Ornamented or Plain

## Radiators

#### For Direct Steam or Hot Water

sdo			HE	CATING SU	RFACE—S	QUARE FEI	ET	
No. of Loops or Sections	Length 2½ Inches Per Sec.	44 Inches High 9 Sq. Ft Per Sec.	38 Inches High 8 Sq. Ft. Per Sec.	32 Inches High 6% Sq. Ft. Per Sec.	26 Inches High 5½ Sq. Ft. Per Sec.	22 Inches High 4% Sq. Ft. Per Sec.	20 Inches High 4 Sq. Ft. Per Sec.	18 Inches High 3½ Sq. F Per Sec.
	Inches	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
2	5	18	16	131/3	10%	91/3	8	62/3
3	71/2	27	24	20	16	14	12	10
2 3 4	10	36	32	262/3	21 1/3	18%	16	131/3
5	121/2	45	40	33 1/3	262/3	231/3	20	16%
6	15	54	48	40	32	28	24	20
7	171/2	63	56	462/3	371/3	322/3	28	231/3
8	20	72	64	531/3	422/3	37 1/3	32	26%
9	22 1/2	81	72	60	48	42	36	30
10	25	90	80	662/3	531/3	462/3	40	331/3
11	27 ½	99	88	731/3	582/3	51 1/3	44	362/3
12	30	108	96	80	64	56	48	40
13	32 1/2	117	104	862/3	691/3	602/3	52	431/3
14	35	126	112	93 1/3	742/3	65 1/3	56	46%
15	371/2	135	120	100	80	70	60	50
16	40	144	128	1062/3	85 1/3	742/3	64	531/3
17	421/2	153	136	1131/3	902/3	791/3	68	562/3
18	45	162	144	120	96	84	72	60
19	471/2	171	152	126%	1011/3	882/3	76	631/3
20	50	180	160	133 1/3	1062/3	931/3	80	662/3
21	521/2	189	168	140	112	98	84	70
22	55	198	176	1462/3	1171/3	$102\frac{2}{3}$	88	731/3
23	571/2	207	184	1531/3	1222/3	107 1/3	92	762/3
24	60	216	192	160	128	112	96	80
25	621/2	225	200	1662/3	133 1/3	$116\frac{2}{3}$	100	831/3
Price	per foot	\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57	\$0.58

Larger radiators furnished any length desired.

Prices on curved, round, or corner radiators furnished on application.

In estimating the length of radiator where tappings are smaller than 11/2 inches allow 1/2 inch for the bushing.

Distance from floor to center of tapping in single connection radiator, 4 in.

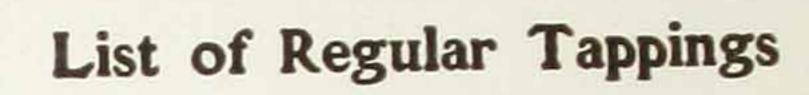
Distance from wall to center of tapping in single connection radiator, 6¼ in.

Distance from floor to center of tapping in twin connection radiators, 4 in.

Distance from wall to center of tapping in twin connection radiators, 5¾ in.

Distance from center to center of twin connection tappings, 3% inches.





Unless otherwise specified all radiators will be tapped or bushed as follows:

#### One-Pipe Steam

24 square feet and under .				1	inch
Above 24, but not exceeding 60 f	eet			11/4	inch
Above 60, but not exceeding 100		40		11/2	inch
Above 100 square feet				2	inch

#### Two-Pipe Steam

48 square feet and und	er			1.		1	x	3/4	inch
Above 48, but not exce		g 96 f	eet	·		11/4	x	1	inch
Above 96 square feet						11/2	x	11/4	inch

#### Hot Water for Both Supply and Return

40 square feet and under			18	1 inch
Above 40, but not exceeding 72 feet				1¼ inch
Above 72 square feet		(4)	40	1½ inch

All radiators will have right-hand thread tappings, unless otherwise ordered. Left-hand thread tappings furnished as desired.

#### Special Tappings Furnished as Desired

Twin Connection or One End Tappings Furnished as Desired

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