

Spencer Heater Company

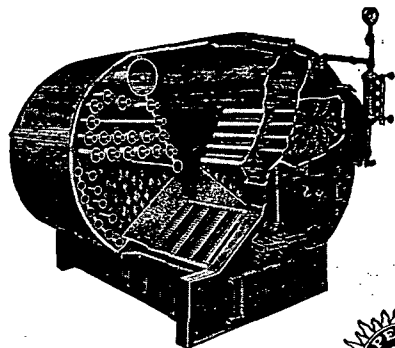
Division of Lycoming Manufacturing Company
Makers of Spencer Heaters
Williamsport, Pa.

NEW YORK, N.Y. PHILADELPHIA, PA. ALBANY, N.Y. SCRANTON, PA. BUFFALO, N.Y.
BOSTON, MASS. BALTIMORE, MD. SYRACUSE, N.Y. HARRISBURG, PA. ROCHESTER, N.Y.

PRODUCTS: Spencer Magazine Feed Heaters

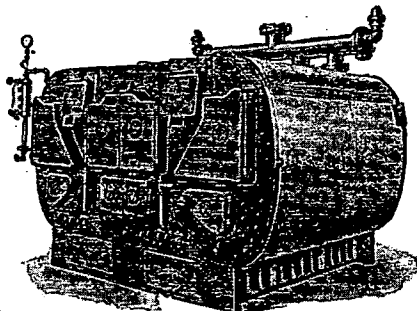
The Spencer Heater is the original Magazine Feed Heater with sloping grates. The Water-jacketed Magazine holds enough fuel for 12 to 24 hours, without attention. As fuel feeds automatically, as fast or as slow as the fire requires, the Magazine supply lasts longer in milder weather. Spencer Heaters are made in sizes to suit any

building, large or small, either in steel tubular types or cast iron sectional types. Commercial ratings have been discontinued. Capacities are guaranteed when installed under normal conditions, according to the table below and on the following page, when used with any low pressure steam, vapor, or hot water system.



60 Series, Spencer Tubular Steam Heater

For large building work—an efficient Magazine Heater of combination water-tube and return-tube construction.



100 Series, Spencer Tubular Steam Heater

The largest type of Spencer Heater, a four grate heater for use in multiple story buildings.



Sizes and Guaranteed Capacities of Spencer Steel Tubular Heaters

Heater No.	*Direct Cast Iron Column Radiation Loads Sq. Ft.	Grate Area	Draft Required	Outlets No. and Size	Returns No. and Size	Chimney Flue	Diam. of Smoke Pipe	Overall Dimensions		
								Length	Width	Height
15	1600	12.00	0.23	2-4"	2-2"	18"x18"x50'	16"	72 1/2	60	63 1/4
17	1950	13.00	0.24	2-4"	2-2"	18"x18"x55'	16"	78 1/2	60	63 1/4
19	2300	15.00	0.25	2-4"	2-2"	18"x18"x60'	16"	84 1/2	60	63 1/4
20	2650	16.50	0.26	2-4"	2-2"	18"x18"x65'	16"	90 1/2	60	63 1/4
21	3000	18.00	0.27	2-4"	2-2"	18"x18"x65'	16"	96 1/2	60	63 1/4
3-45	3600	18.05	0.24	2-5"	2-2 1/2"	18"x18"x50'	18"	99 1/2	81 1/4	71 3/4
3-50	4100	20.24	0.25	2-5"	2-2 1/2"	18"x18"x55'	18"	105 1/4	81 1/4	71 3/4
3-55	4600	22.56	0.26	2-5"	2-2 1/2"	18"x18"x60'	18"	112	81 1/4	71 3/4
3-60	5100	24.83	0.27	2-5"	2-2 1/2"	20" Diam. x 65'	18"	118 1/4	81 1/4	71 3/4
3-70	5600	27.00	0.28	2-5"	2-2 1/2"	20" Diam. x 70'	18"	124 1/2	81 1/4	71 3/4
3-80	6500	30.35	0.27	1-8"	2-2 1/2"	24" Diam. x 65'	22"	98	116 1/8	100
3-90	7600	34.70	0.28	1-8"	2-2 1/2"	24" Diam. x 65'	22"	104 1/4	116 1/8	100
3-105	8700	39.05	0.29	1-8"	2-2 1/2"	30" Diam. x 65'	22"	110 1/2	116 1/8	100
3-120	9800	43.40	0.30	1-8"	2-2 1/2"	30" Diam. x 70'	22"	116 1/4	116 1/8	100
3-140	10900	47.75	0.32	1-8"	2-2 1/2"	36" Diam. x 70'	22"	123	116 1/8	100
3-160	12000	52.10	0.34	1-8"	2-2 1/2"	36" Diam. x 70'	22"	129 1/4	116 1/8	100

*This includes ample provision for heat loss in covered mains, risers and returns, and for peak loads. Heaters Nos. 3-45 to 3-160 are furnished with steel jackets and 1 1/2 in. Rockwool Asbestos Coverings, also pipe header. Heaters Nos. 15-21 are furnished with steel jackets only. Chimney flue sizes are based on a maximum flue temperature at boiler smoke outlet of 500° Fahr.

Special Features for Different Types of Buildings

Spencer Heaters are especially efficient in industrial buildings, greenhouses and garages where uniform heat is desirable; and in churches, theatres, schools and buildings where they give constant, even and uniform heat, without the attention of a night fireman. For the home, the Spencer is especially convenient, as it needs attention only once or twice in twenty-four hours.

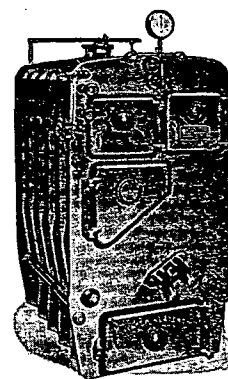
Spencer Economy for Building Owners

Though Spencer Heaters are designed to burn any non-coking graded fuel, their greatest saving is made with small sized, low cost fuels. They save as much as half the owner's annual fuel bill by

using No. 1 Buckwheat anthracite, and proportionately by using by-product Pea or Buckwheat coke. Where anthracite and coke are not available, they are equally efficient when fired with smaller sizes of semi-bituminous, such as Pocahontas, or any non-coking graded fuel.

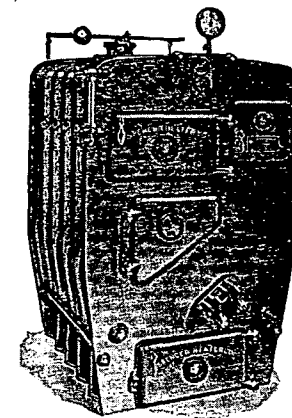
Automatic Magazine Feed Gives Steady Heat

Fuel is fed automatically by gravity—no blowers or mechanical apparatus are needed. They are easy to install—the new Spencer Heaters are as easy to erect as any other sectional heater on the market—and there is nothing to get out of order. Write for complete descriptions and illustrations of all Spencer Heaters.



L-1 Type, Spencer Sectional Heater

A Magazine Heater for steam, vapor or hot water systems, in six to twelve room dwellings or industrial buildings of moderate size.



L-2 Type, Spencer Sectional Heater

A Magazine Heater for large dwellings, industrial buildings and institutional buildings.

Sizes and Guaranteed Capacities of Spencer Cast Iron Sectional Heaters

Heater No.		*Direct Cast Iron Column Radiation Loads, Sq. Ft.		Grate Area	Draft Re-quired	Outlets, No. and Size		Returns No. and Size Steam and Water	Chimney Flue	Diam. of Smoke Pipe	Overall Dimensions		
		Steam	Water			Steam	Water				Length	Width	Height
L-1 Type	L-104	270	445	1.88	0.12	1-4"	1-4"	2-4"	8"x8"x35'	10"	32	32	57
	L-105	390	645	2.60	0.12	1-4"	1-4"	2-4"	8"x8"x35'	10"	39	32	57
	L-106	510	845	3.33	0.12	2-4"	2-4"	2-4"	8"x8"x35'	10"	46	32	57
	L-107	630	1045	4.07	0.12	2-4"	2-4"	2-4"	8"x12"x35'	10"	53	32	57
	L-108	750	1245	4.80	0.12	2-4"	2-4"	2-4"	8"x12"x35'	10"	60	32	57
L-2 Type	L-205	550	910	3.63	0.12	1-4"	1-4"	2-4"	8"x12"x35'	10"	39	40	60
	L-206	725	1200	4.66	0.12	2-4"	2-4"	2-4"	8"x12"x35'	10"	46	40	60
	L-207	900	1490	5.68	0.12	2-4"	2-4"	2-4"	8"x12"x40'	10"	53	40	60
	L-208	1075	1780	6.70	0.12	2-4"	2-4"	2-4"	12"x12"x40'	10"	60	40	60
	L-209	1250	2070	7.73	0.12	2-4"	2-4"	2-4"	12"x12"x40'	10"	67	40	60
S-2 Type	S-2-7	1060	1700	6.77	0.18	2-4"	2-4"	2-4"	12"x12"x40'	12"	74 7/8	57 3/8	62 1/2
	S-2-8	1300	2080	7.90	0.19	2-4"	2-4"	2-4"	12"x12"x40'	12"	81 1/8	57 3/8	62 1/2
	S-2-9	1540	2460	9.03	0.20	2-4"	2-4"	2-4"	12"x12"x40'	12"	87 3/8	57 3/8	62 1/2
	S-2-10	1780	2840	10.16	0.21	2-4"	2-4"	2-4"	12"x18"x45'	12"	93 3/8	57 3/8	62 1/2
	S-2-11	2020	3220	11.29	0.21	2-4"	2-4"	2-4"	12"x18"x45'	12"	99 7/8	57 3/8	62 1/2

*This includes ample provision for heat loss in covered mains, risers and returns, and for peak loads.