

Spencer Heater Company

Williamsport, Pa.

Branch Offices and Representatives

NEW YORK, N. Y.
PHILADELPHIA, PA.
BALTIMORE, MD.

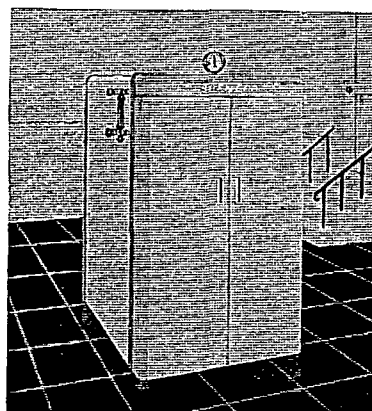
BOSTON, MASS.
SPRINGFIELD, MASS.
WASHINGTON, D. C.

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BUFFALO, N. Y.

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ALLENTOWN, PA.
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Spencer Automatic Magazine Feed Heaters are made in cast-iron sectional types for steam, vapor and hot water heating. Also in steel tubular types for larger buildings. There are sizes and capacities to provide economical and convenient heat—safe and sure—for every type of building.

Spencer is the original magazine feed heater with a record of more than 37 years' successful operation. They are sold and installed by all good heating contractors.



Why Spencer Heaters perform so satisfactorily can best be explained by a brief inspection of their design and construction. The Spencer principle—as illustrated in the cross sectional view—is simple:

Once a day fuel is put into the magazine (A). It fills the sloping grate to the level of the magazine mouth (B). The fire bed always stays at (C) for as fast as fuel burns to ash (D) it shrinks and settles on the sloping grate (E) and more fuel feeds down automatically over the top of the fire bed. Fuel feed is by gravity alone, in just the right amount to keep the fire always burning at its most efficient combustion point.

This explains why a Spencer Heater always gives the same uniform satisfying heat, and burns low cost coal economically. These exclusive Spencer advantages are available in all types, J and L series, cast-iron sectional, burning low cost No. 1 Buckwheat; the C-N series for larger

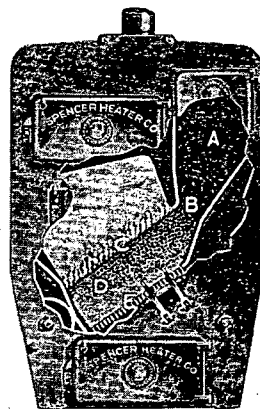
fuels; or the steel magazine feed heaters, also for No. 1 Buckwheat.

Coal - Coke - Gas - Oil—Spencer J and L series cast-iron and steel tubular heaters are primarily designed to burn low cost No. 1 Buckwheat anthracite and the C-N series Nut or Pea anthracite or coke.

If at any time a home owner desires to burn more expensive fuels—oil or gas—a Spencer Heater will show a higher efficiency than can be secured with any ordinary boiler.

Thermostats—A Minneapolis thermostat and electric damper motor are furnished as optional equipment.

Jacketed Covering—Attractive metallic jackets, as illustrated are available for Spencer Cast-Iron Heaters.



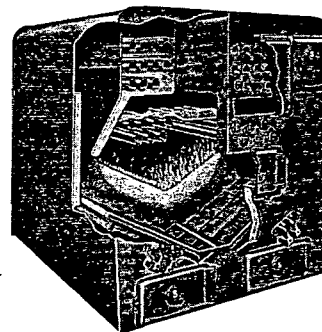
*The Spencer Heater Company guarantees that when installation is made in accordance with accepted standards, the heater will carry the number of feet of direct cast-iron column radiation listed. This allows ample provision for heat loss in covered mains, risers and returns, and for peak loads.

SPENCER STEEL TUBULAR MAGAZINE FEED BOILERS

For larger buildings we recommend Spencer Steel Tubular Boilers, also of the magazine feed type, burning low cost No. 1 Buckwheat anthracite or coke.

In the cross-section diagram illustrated here, part of the fire bed is cut away to show the sloping grates and the two magazines filled with fresh coal, ready to feed down automatically of its own weight to the fire. These boilers are built in two vertical sections for ease in handling and installation—a great advantage on remodeling or replacement jobs, eliminating necessity of costly tearing out of walls, etc.

Combination water tube and fire tube construction. Built to A.S.M.E. standards.



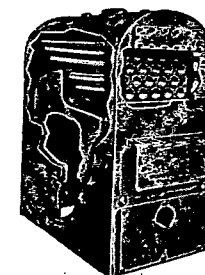
Sizes and Guaranteed Capacities

No.	STEAM	
	*Guaranteed Direct Cast-Iron Column Radiation Loads, Sq. Ft.	†E.D.R. Rating
M6-6	2300	2875
M6-7	2600	3250
M6-8	2900	3625
M6-9	3200	4000
M6-10	3500	4375
M7-6	4000	5000
M7-7	4700	5875
M7-8	5400	6750
M7-9	6100	7625
M7-10	6800	8500
M8-6	8000	10000
M8-7	9750	12185
M8-8	11500	14370
M8-9	13250	16555
M8-10	15000	18740

†E.D.R. ratings represent the attached net radiation load plus piping losses expressed in square feet of equivalent direct radiation (240 B.t.u. steam, 150 B.t.u. water) which may be placed on heater in accordance with accepted standards for economical operation.

SPENCER STEEL BOILERS, FOR OIL, STOKER OR GAS

For more than 37 years Spencer has been building efficient, economical and dependable coal burning boilers. With this background of experience, Spencer engineers have developed the Spencer Steel Boiler, for oil, gas or stoker.



The high sustained efficiency of these boilers means adequate heat for low fuel cost. Design is of the three-pass type. Combustion chamber is amply large. Built of open hearth steel boiler plate and electrunit tubes—a quality product for dependable service.

Furnished with Taco indirect domestic water heating coils either of the storage tank or instantaneous type.

Sizes and Guaranteed Capacities CAST-IRON SECTIONAL TYPE

No.	STEAM		WATER	
	*Guaranteed Direct Cast-Iron Column Radiation Loads, Sq. Ft.	†E.D.R. Rating	*Guaranteed Direct Cast-Iron Column Radiation Loads, Sq. Ft.	†E.D.R. Rating
J-3	175	220	290	360
J-4	265	330	440	550
J-5	355	440	590	740
L-105	390	490	645	800
L-106	510	640	845	1050
L-107	630	790	1045	1300
L-205	550	690	910	1140
L-206	725	910	1200	1500
L-207	900	1130	1490	1860
L-208	1075	1350	1780	2220
L-209	1250	1570	2070	2580
L-305	1150	1430	1900	2375
L-306	1500	1870	2475	3095
L-307	1850	2310	3050	3815
L-308	2200	2750	3625	4535
L-309	2550	3190	4200	5255
L-310	2900	3630	4775	5975
L-311	3250	4070	5350	6695
CN-502	280	350	460	575
CN-502½	360	450	590	735
CN-503	440	550	725	905
CN-5K3	520	650	860	1070
CN-504	600	750	995	1235
CN-5K4	680	850	1130	1400
CN-5K5	760	950	1265	1565
CN-506	840	1050	1400	1730
	920	1150	1535	1895