Spencer Heater Division

Lycoming Manufacturing Company

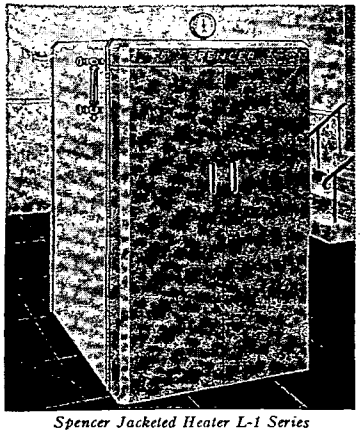
Williamsport, Pa.

Sales Representatives in Principal Cities

Spencer Automatic Magazine Feed Heaters are furnished in cast iron sectional types —and steel tubular types for larger buildings—for steam, vapor and hot water heating. There is a size and capacity for every type of building, to provide economical and convenient heat—safe, dependable, sure.

The Spencer Automatic Magazine Feed Warm Air Furnace makes available the advantages of the Spencer principle of magazine feed, sloping grates, automatic coal action, and low operating cost—for warm air systems of either gravity or forced circulation type.

COMFORTABLE HEAT AT LOW COST



Spencer Jacketed Heater L-1 Series

Why Spencer Heaters and Furnaces perform so satisfactorily can best be explained by an inspection of their design and construction. The Spencer principle, illustrated in the cross-sectional view, is simple:

Once a day fuel (No. 1 Buckwheat Anthracite or small size by-product coke) is put into the magazine. It fills the sloping grate to the level of the magazine mouth. The fire bed always stays at the proper level, for as fast as fuel burns to ash, it shrinks and settles on the sloping grate; and more fuel rolls 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 Automatic Magazine Feed Heater or Furnace always gives the same uniform, satisfying heat, and burns less fuel. These exclusive Spencer advantages are available in all types of the magazine feed heaters and furnaces.

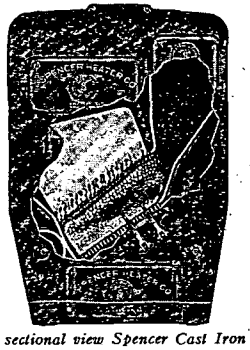
Coal — Coke — Gas — Oil — Spencer J and L series heaters, M series boilers and W series furnaces are primarily designed to burn low cost No. 1 Buckwheat Anthracite or small size coke; the CN series Nut or Pea Anthracite, or Nut size coke.

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

Thermostats—Thermostats and electric damper motors are furnished as optional equipment.

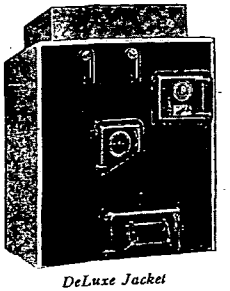
Jacketed Covering—Attractive metallic jackets, as illustrated, are available for Spencer Cast Iron Heaters, either with or without the enclosing jacket doors.

Spencer Heavy Duty Tank Heaters—Of the magazine feed type, they are available in the capacities indicated. With the automatic magazine feed construction, they provide ample domestic hot water at lowest cost, and with a minimum of tank heater attention.



Cutaway sectional view Spencer Cast Iron Heater

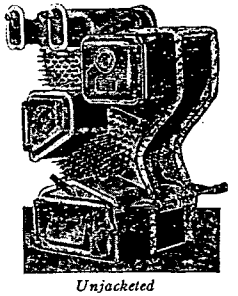
SPENCER AUTOMATIC MAGAZINE FEED WARM AIR FURNACES



DeLuxe Jacket

Spencer Furnaces operate on the automatic magazine feed principle. Once fuel (No. 1 Buckwheat Anthracite or small size coke) is in the storage magazine, it feeds over the fire on the sloping grate in just the right amount for the heat required. Attention is necessary only once or twice a day.

Unique in furnace design, the Spencer burns low cost No. 1 Buckwheat Anthracite or small size coke, and eliminates the disadvantages of ordinary furnaces —no "hot spots," no furnace cement, no brick lined fire pot, no leaky joints. Assures an air-tight, gastight, leakproof, long life installation.



Unjacketed

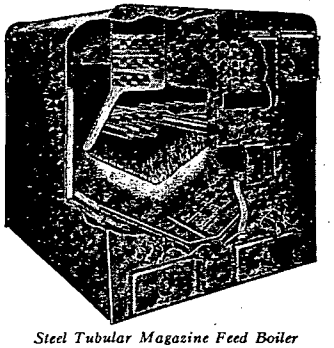
Spencer Furnaces are compact, streamlined, and so designed that other air-conditioning features can be readily added.

Illustrated here is the attractive enameled metallic jacket. Galvanized casing also available, if desired.

SPENCER STEEL TUBULAR MAGAZINE FEED BOILERS

For large buildings we recommend Spencer Steel Tubular Magazine Feed Boilers, burning low cost No. 1 Buckwheat Anthracite or coke.

In the cross-section diagram, 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 replacement jobs, eliminating the necessity of costly tearing out of wall or partitions. Combination water and fire tube construction; built to *A.S.M.E.* standards.

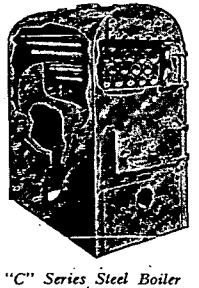


Steel Tubular Magazine Feed Boiler

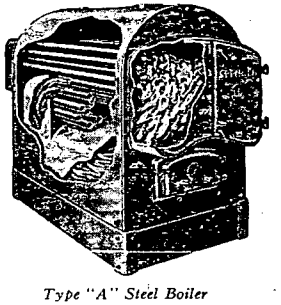
SPENCER STEEL BOILERS For Oil, Stoker, Gas or Hand-Firing

For more than 40 years, Spencer has been building, in the opinion of experts, one of the most efficient, economical and dependable coal burning boilers on the market. With this background of experience, Spencer Engineers developed the Spencer Steel Tubular Boiler for oil, gas, stoker and hand-firing—the "C" series for residential use, and the Type "A" for larger buildings. It is a better boiler both for the property owner and for the architect or engineer who specifies it.

The high sustained efficiency of these boilers means adequate heat for a lower fuel cost. Design is of the three pass type. Combustion chamber is amply large. Built of best quality open hearth steel boiler plate, and tubes. Can be furnished with domestic hot water heating coils, either of the storage tank or instantaneous type.



"C" Series Steel Boiler



Type "A" Steel Boiler