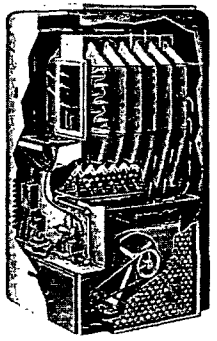
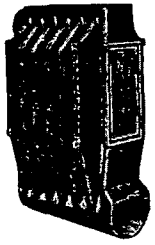
Gar Wood Industries, Inc.

HEATING DIVISION • 7924 Riopelle Street • **Detroit 11, Michigan**

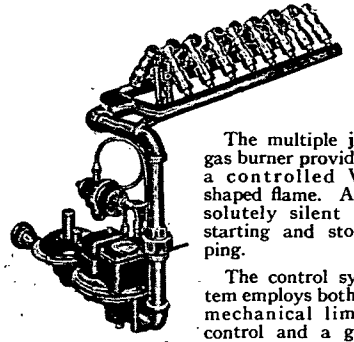


GAS-FIRED TEMPERED-AIRE UNIT

The heart of this efficient heating unit is the cast iron heat exchanger. Combustion takes place in the large firebox which has sufficient volume to prevent flame impingement. From the firebox, the products of combustion pass upward, diverge, and enter the triangular-shaped vertical channelways which contain cast-in baffles to direct the gases laterally against the side walls in their upward course.



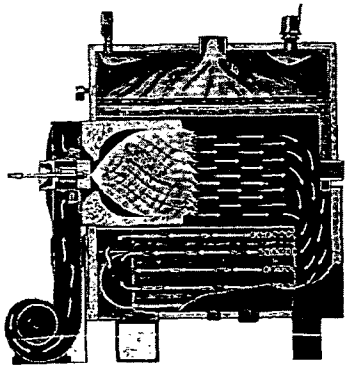
Durable cast iron was chosen for the construction of the heat exchanger after consultations with Utility Engineers. The corrugated firebox and overall design provide an intimate contact for gases and air resulting in a high rate of heat transfer.



The multiple jet gas burner provides a controlled V-shaped flame. Absolutely silent in starting and stopping.

The control system employs both a mechanical limit control and a gas actuated safety pilot for safe manual operation of the gas valve in the event of a current outage.

SERIES "M" OIL-FIRED BOILER BURNER UNITS



The Gar Wood Series "M" (steam or water) boiler burner units are built to fill the requirements of radiation systems of either the conventional or the new radiant type, or for use with indirect air conditioning systems. They are of welded steel construction with horizontal fire tubes, have downdraft gas travel and are internally fired with the Gar Wood type "O" burner which is an integral part of the boiler unit. Models range from 200,000 to 1,000,000 Btu/hr nozzle output.

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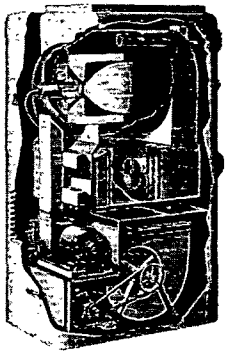
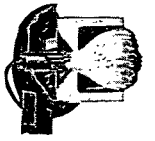
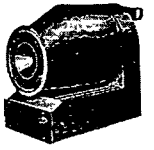


OIL-FIRED TEMPERED-AIRE UNIT

A high efficiency, direct fired, complete heating unit designed for home installation. The primary transfer of heat occurs in the large firebox which has its outlet at the bottom through which the hot gases pass into the economizer. Here the gases divide into long, thin slices within tubes. Each tube is swept at high velocity by cold return air which absorbs a maximum of heat from the economizer.



Integral burner and combustion chamber intermingles and rotates oil and air for perfect combustion.



Integrally built firebox-economizer unit. The teardrop shape removes the peak from the high temperature zone eliminating hot spots.



All parts of the power unit are die formed and welded into a single unit. Rubber mounted.



Quick-acting flash humidifier provides adequate humidity under short firing cycle conditions.



Large air blower delivers a generous quantity of air against the friction of duct systems.

DELUXE TEMPERED-AIRE WITH REMOVABLE, WASHABLE CLOTH FILTERS

Consisting of a series of bags similar to vacuum cleaner sacks, the filters are made of a special woven fabric and have a tremendous filtering area. These collector screens may be lifted out and cleaned in the washing machine. They can be removed and put back in a few minutes by lifting and replacing the retaining frames. DELUXE Tempered-Aire models, either oil or gas fired, are double the width of standard vertical models.

