

The General Iron Works Company



Cincinnati

SALES AND SERVICE information from any gas company.
DIRECT FACTORY REPRESENTATIVES in principal cities.

Hot-Kold was the forerunner of many of the forced air-direct fired air conditioning systems. The first units, built and installed eight years ago are still giving their owners the kind of service that causes them to write us that "Mr. Blank wants a heating system like mine."

Eight Years of intensive improvement and development work have improved the product, brought out the best methods of installation, and built a sales and service organization comprising basically the more important Public Utility Companies of the country. Most of these have a select list of approved local installers who are competent as regards both financial responsibility and physical equipment to undertake jobs of any size.

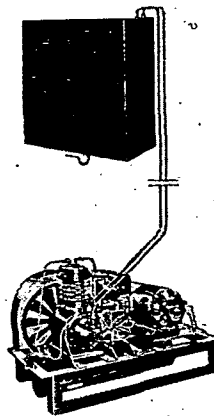
We Considered this ground work necessary before it should be offered to the Architect and Engineer. You may now specify it freely for residences, schools, detached buildings of the long rambling type of architecture, industrial plants, and structures of a similar character.

The Unit System

is invariably used excepting in very small residences, grouping the rooms according to their usage, each group having its own thermostat.

Hot-Kold is exactly what the name implies, the **Hot** side consisting of a gas burning heat exchanger through which air is driven by a fan, and automatically controlled.

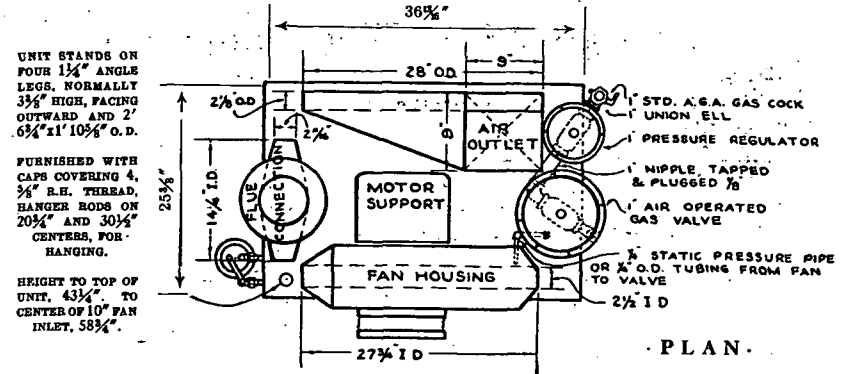
The **Kold** side consists of a unit to fit, developed by engineers of The Frigidaire Corporation after years of tests. This is a simple section of heat exchanger surface and an automatically controlled refrigeration compressor. This unit is sold and installed by the Frigidaire Corporation which maintains 24 hour a day service in all principal cities.



KOLD



HOT



MODEL B

Gas input—90,000 B.t.u. hourly.
Heat output—84,500 B.t.u. hourly.
Weight, crated—1000 lbs.
Dimensions—actual working drawings herewith.
Fan capacity. C.F.M.*
Motor H.P.*

*Various fans and motors are furnished dependent on the duty of the unit. Generally, these are 1/2 H.P. constant speed with air deliveries up to 625 C.F.M. and 1/4 H.P. variable speed, with air deliveries from 600 to 865 C.F.M. Fans are always spring floated, direct connected, backward curve, multiblade type.

Heater, filter, cooler and compressor are furnished as four independent units, to be located as desired, which permits best economy of space occupied.

The Present Known Requirements of Perfect Air Conditioning

- AIR MOTION** Overhead high velocity introduction toward cold wall provides thorough mixing with room air. This settles into the breathing zone and returns without objectionable draught to recirculation grilles.
- HUMIDITY** Water from fire, literally. Once set, the rate of moisture addition will never vary. Total amount added depends on time of operation.
- CLEAN AIR** Filter medium is the most efficient dry type. A woman can change it in five minutes.
- TEMPERATURE CONTROL** Automatic dual speed absolutely eliminates the usual time lag. A complete cure for "Cold 70."
- NO ODORS** All welded construction. No leaks possible. Air is warmed by passing heating surfaces at such high velocity as to prevent scorching suspended matter.

The Equipment Must Have These Characteristics

- LONG LIFE** Heat exchanger section made of 16 ga. Chromium (stainless) steel. Various estimates of corrosion rates set probable life at 60 to 100 years.
- ECONOMY** Unquestionably the most efficient vented gas unit made today.
- RELIABILITY** Two service calls from 100 units, winter 1929-30, Cincinnati.
- SIMPLICITY** The complete absence of "trick gadgets" has been favorably commented upon by hundreds of engineers.
- SAFETY** Approved by A. G. A. Testing Laboratory, and in many ways, far improves upon the Laboratories requirements.

Most of the above features are covered by HOT-KOLD patents and patents pending. Model 2-B, a larger unit, will be in production by January 1. Send for complete A. I. A. file which includes Specification and Data Sheets.