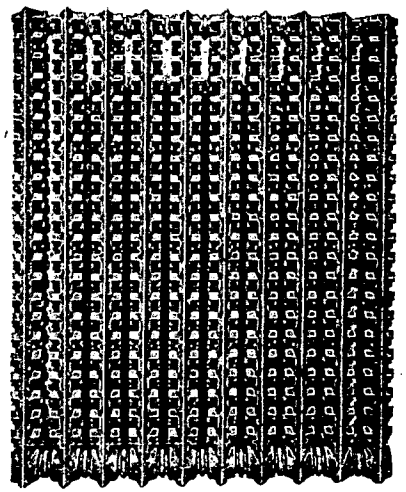
AMERICAN RADIATOR COMPANY

General Sales and Eastern Executive Office
40 West 40th Street, **New York**

Western Executive Office
816 South Michigan Avenue, CHICAGO, ILLINOIS

Manufacturers of Ideal Boilers, American Radiators, and other Heating, Ventilating, and Refrigerating Products

VENTO
Cast Iron Heaters



VENTO has a unique construction which breaks up the air currents and assures rapid steam circulation, both of which features insure full heating efficiency of all the surfaces of the heater.

Being made up into stacks which are easily handled, and having fewer joints per hundred square feet of heating surface than pipe-coils, there is less possibility of leaks. Use of VENTO reduces labor installation costs, and calls for minimum space. VENTO is made of cast iron, which does not rust by action of air, gases, water or summer dampness, and is exceedingly durable. VENTO Heaters do not freeze, split or corrode, nor is there any effect from electrolysis.

The standard spacings of regular VENTO in a stack are 5 in. centers. The distance between centers can be increased or decreased by use of hexagon nipples as herewith described.

30", 40, 50 and 60 Inch Sections		72 Inch Sections	
Centers Inches	Sizes of Nipples Inches	Centers Inches	Sizes of Nipples Inches
5⅜	2½ x 3⅜	5⅜	3 x 3⅜
5	2½ x 3	5	3 x 3
4⅝	2½ x 2⅜	4⅝	3 x 2⅜
4**	2½ x 2		

*30 inch Nipples are all 2 inch diameter.
**Internal Nipple.

For assembling of these sections we recommend a VENTO nipple wrench which is made of extra heavy drop forged steel, especially for use on right and left-hand threaded nipples having a hexagon nut at the center.

VENTO does not call for any new or special conditions in either housing or steam supply and drip connections. Both live and exhaust steam may be used at the same time.

IN BLAST AND PLENUM CHAMBER WORK THE NET INSTALLED COST OF VENTO IS LESS THAN THAT OF LIGHTER FORMS OF HEATERS.

Twenty-five years of successful operation of VENTO Heaters in thousands of installations in private and public buildings throughout America, Europe and Australia, disclose no failure of any kind. A copy of Engineer's Data on VENTO Heating will gladly be sent on request.

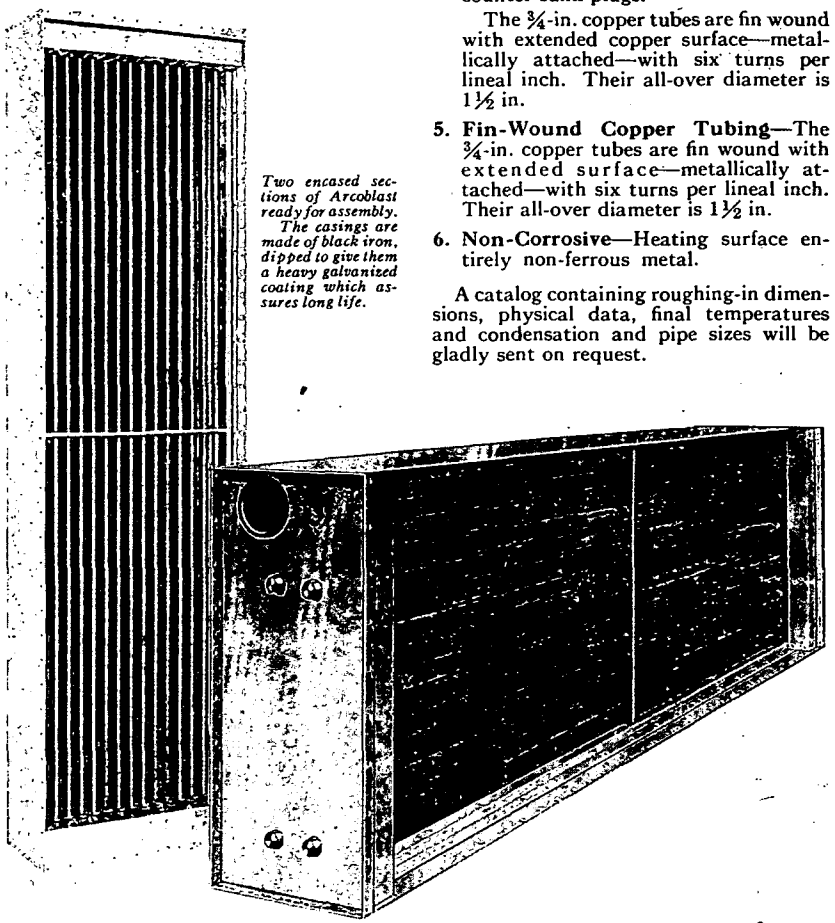
ARCOBLAST HEATERS
The Encased Section
FEATURES of the ENCASED SECTION
For Pressure from 5 to 200 lb.

The following outstanding features of Arcoblast will appeal to the Heating Engineer who is figuring heating surface for central fan and plenum chamber work.

1. **Galvanized Encasement**—complete and ready for pipe connections.
2. **One Piece Cast Iron Header**—The headers are cast in one piece with the tube plates three-fourths of an inch thick, thus allowing the tubes to be expanded properly and held securely.
3. **No Soldered Steam-Backed Joints,** Tubes expanded in headers—Ample strength for high pressure is assured.
4. **Assured Strength with Minimum Weight**—The Arcoblast Heater is composed of staggered rows of copper tubes expanded into cast iron headers—on the opposite side of which are registering tapped openings through which the tubes are expanded. After the expanding operation the holes are closed with counter-sunk plugs.

   The ¾-in. copper tubes are fin wound with extended copper surface—metallically attached—with six turns per lineal inch. Their all-over diameter is 1½ in.
5. **Fin-Wound Copper Tubing**—The ¾-in. copper tubes are fin wound with extended surface—metallically attached—with six turns per lineal inch. Their all-over diameter is 1½ in.
6. **Non-Corrosive**—Heating surface entirely non-ferrous metal.

A catalog containing roughing-in dimensions, physical data, final temperatures and condensation and pipe sizes will be gladly sent on request.



Two encased sections of Arcoblast ready for assembly. The casings are made of black iron, dipped to give them a heavy galvanized coating which assures long life.