Schwitzer-Cummins Company

Indianapolis, Indiana, U. S. A.

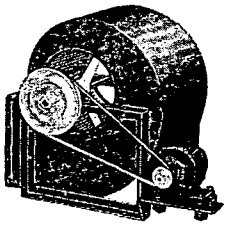
BLOWER FANS
VENTILATING FANS
HOME-VENTILATORS

HY-DUTY

BLOWER-FILTERS
HUMIDIFIERS

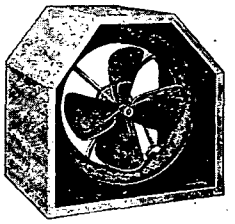
HY-DUTY BLOWERS

A superior line of blower fans from 4½ in. to 25 in. dia.—with or without motors and drives—available with either top or bottom horizontal, top or bottom vertical outlets—efficient, thoroughly balanced and silenced.



ATTIC VENTILATORS

Made with HY-DUTY propeller type fans and HY-DUTY blower fans. Models for every type installation including complicated home arrangements.



BLOWER-FILTER UNITS

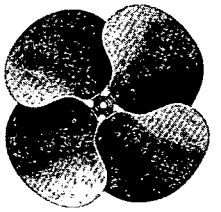
STOKOLAIR, de luxe unit with AIR-MAZE all-metal filter and summer comfort damper door, and HY-DUTY models for the competitive priced field. Six models—many useful exclusive features.

BLOWER-FILTER HUMIDIFIERS

An advanced design embodying a dual system of humidity control and all-metal indestructible filters.

HY-DUTY BLOWER WHEELS

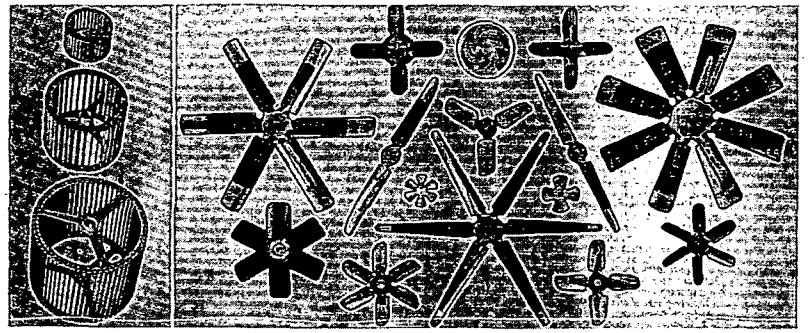
Multi-blade type, diameters from 4 in. to 50 in., furnished in single inlet and double inlet types.



KIDNEY BLADE TYPE FANS

Quiet and efficient. A full range of sizes.

Blower Wheels and Propeller Fans for Every Purpose



(See also Page 1111)

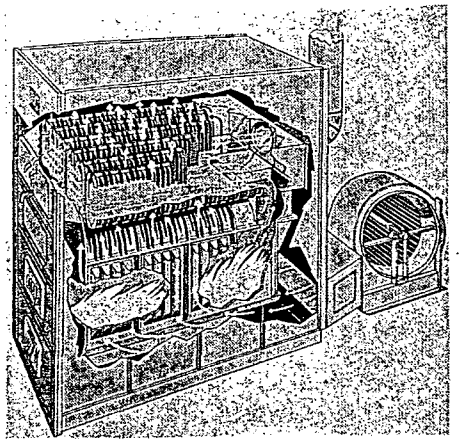
Acme Heating & Ventilating Co., Inc.

4224 Lowe Avenue, **Chicago, Ill.**

THE ACME HEATER—"It's in the Fins"

The Acme Heater has been designed by experienced heating engineers, and is constructed by expert craftsmen. It combines the best practice in the design of direct transmission heaters, with marked improvements resulting from practical experience.

Burns Any Kind of Fuel: A direct-transmission heater, such as the Acme, is not dependent upon the kind of fuel used—any type of fuel may be burned. Suitable grates may be provided so that bituminous, semi-bituminous, anthracite coal, or other solid fuels may be used with equal efficiency. Replacement of grates and linings by proper refractory material permits the use of automatic stokers or oil burning equipment.



Phantom View of Acme Heater Showing Flow of Gases and Air Travel.

Large Combustion Chamber: Provides ample space for ignition of gases of combustion, regardless of kind of fuel used. The unusually large combustion chamber, acting as "primary" heating surface, effects efficient transfer of heat, because of the great temperature difference between the burning gases inside the chamber and the air passing over the outside surface.

Efficient Radiator Section: Although the heating surface of the combustion chamber is large and efficient, still more heat must be extracted to obtain satisfactory overall efficiency. The "phantom view" as shown reveals how the gases of combustion enter the rear smoke chamber, flow to the front of the heater, and return again to the smoke-box. The gases are held in intimate contact with the heating surface, six times the length of the heater, before they are permitted to escape.

Physical Data—Large Series

Size No.	Dimensions Lgth	Width	Ht	Grate sq ft	Heat Surf. sq ft	Free Area sq ft Min.	Free Area sq ft Max.	Wt. Lb	Max. Capacity Btu
7	6'-6"	4'-0"	7'-0"	10.31	260	6.55	10.25	5900	900,000
8	8'-1"	4'-0"	7'-0"	11.91	340	7.73	12.50	7000	1,100,000
9	9'-8"	4'-0"	7'-0"	13.06	430	8.91	14.75	8000	1,300,000
10	11'-3"	4'-0"	7'-0"	14.43	500	15.82	22.62	9300	1,500,000

Junior Series

2	4'-6"	3'-6"	5'-8"	3.9	136	4.7	4.7	3200	350,000
3	6'-0"	3'-6"	5'-8"	6.1	183	5.9	6.9	4800	527,000
4	7'-6"	3'-6"	5'-8"	7.2	230	7.1	9.1	5000	634,000
5	9'-0"	3'-6"	5'-8"	9.3	280	8.3	11.3	6000	800,000

Note: For automatic firing add 10% to ratings given.

High Ratio of Heating Surface to Grate Area: The radiator tubes are covered with extended surfaces, or fins, typical of those used on indirect heating coils. The long, oval tubes of the radiator provide an exceptionally large heating surface which, combined with the surface of the combustion chamber, affords a remarkably high ratio of heating surface to grate area.

Balanced Construction of the Acme Heater provides ample free area and allows proper velocity of the air to be heated. Moreover, this air is brought into direct contact with as much heating surface as possible, resulting in the Acme of Efficiency.