

Bayley Blower Company

1817 S. Sixty-Sixth Street Branches in Principal Cities Milwaukee, Wis.

Builders of Heating, Ventilating, Cooling, Purifying, Humidifying and Air Washing Equipment; Exhaust and Drying Apparatus, Mechanical Draft and Blast, Fans and Blowers of all Types

Bayley Plexiform Fan:

Is a multi-blade fan for supplying air for heating and ventilating systems, manufacturing processes, drying systems, forced and induced draft systems. It is suitable for handling high or low temperature gases at medium or low pressure. Will deliver maximum quantities requiring minimum space with great economy.

This is a distinct Bayley product, high class material and workmanship, properly designed to avoid excessive vibration and overstressing of parts. Inlets and outlets are properly sized for maximum delivery and maximum efficiency. Fans are furnished in single or double width of any required arrangement and with sleeve or anti-friction bearings.

Aeroplex Fan:

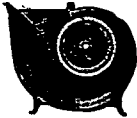
Is of high speed design with self limiting power characteristics. Application parallel to the Plexiform Fan. Highly efficient and quiet in operation.

Bayley Exhausters and Pressure Blowers:

Type "B" exhaust fan is for heavy duty, handling refuse from industrial and textile plants. Type "EX" is used in handling smoke, fumes and dust-laden gases. Type "H" for high-pressure work. These units are highly efficient and of high class design and workmanship.

Bayley Turbo Air Washers, Humidifiers and De-Humidifiers:

The Turbo Atomizer used in the Bayley Washer produces a steady, fine spray. Water at low pressure is delivered to the center of a rapidly revolving cone-shaped rotor provided with atomizing pins set in its periphery. This



atomizer requires very little attention, and will operate successfully under low water pressure. The orifices are large and this atomizer, unlike high pressure nozzles, cannot clog.

Bayley Chinook Heating Sections:

The Chinook section is used with blast heating, ventilating and drying systems, and is suitable for high or low pressure steam circulation. The base is divided into two chambers. Steam enters (see cut) the lower chamber, rising through $\frac{3}{8}$ -in. pipes located within the $1\frac{1}{4}$ -in. pipes leading from the upper chamber. Condensation takes place in the larger pipes, the water falling into the upper chamber and draining away through the return outlet. The Chinook can be repaired in the middle of the bank without breaking steam connections or taking down a section.

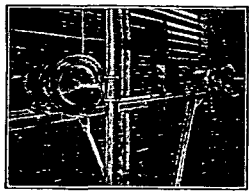
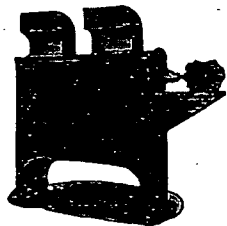
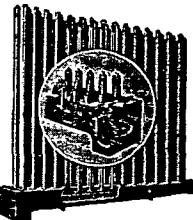
Shipped assembled in smaller sizes, and knocked down in the larger units. May be installed in horizontal or vertical position.

Bayley Chinookfin Heating Sections:

Are the same design as the Chinook Heaters, using heavy gauge copper fin tubes. As compared with Chinook it is much lighter and occupies less space.

Bayley Plexfin Unit Heaters:

This unit incorporates Chinookfin radiation and Plexiform or Aeroplex fans. The fan assembly including top plate and motor is removable as a unit for maintenance and inspection. The heating element is a removable unit. Casing all welded extra heavy gauge. This is an exceptionally high grade unit at a moderate price.



The Bayley Turbo Air Washer Showing Turbo Atomizer and Eliminator

Buffalo Forge Company

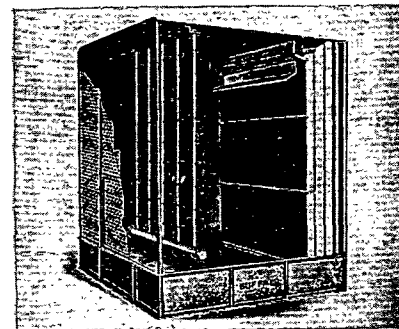
450 Broadway, Buffalo, N. Y.

Branch Offices

ALBANY, N. Y.	1303 Standard Bldg.	MIAMI, FLA.—Southern Air Conditioning Corp.	149 N. E. 20th Terrace
ATLANTA, GA.	305 Techwood Drive	MINNEAPOLIS, MINN.	2102 Foshay Tower
BALTIMORE, MD.	508 St. Paul St.	NASHVILLE, TENN.—Southern Sales Co.	117 Fifth Ave. North
BOSTON, MASS., Melrose Sta.	507 Main St.	NEWARK, N. J.	27 Washington St., Room 203
CHICAGO, ILL.	20 North Wacker Drive	NEW ORLEANS, LA.—Devin Bros.	1003 Maritime Bldg.
CINCINNATI, OHIO.	626 Broadway	NEW YORK, N. Y.	39 Cortlandt Bldg., Room 1110
CLEVELAND, OHIO.	418 Rockefeller Bldg.	OMAHA, NEBRASKA.	660 North 18th St.
DALLAS, TEXAS.	1801 Tower Petroleum Bldg.	PHILADELPHIA, PA.	702 Cunard Bldg.
DAYTON, OHIO.	305 Security Bldg.	PITTSBURGH, PA.	431 Fulton Bldg.
DENVER, COLO.—Hendrie & Bolthoff Mfg. & Supply Co.	1635 Seventeenth St.	RICHMOND, VA.—Williamson & Wilmer, Inc.	Mutual Bldg.
DES MOINES, IOWA—D. C. Murphy Co.	214 Old Colony Bldg.	SAN FRANCISCO, CALIF.—Moore Machinery Co.	1699 Van Ness Ave.
DETROIT, MICH.—Coon DeVisser Co.	2051 W. Lafayette Blvd.	ST. LOUIS, MO.	1598 Arcade Bldg.
GREENVILLE, S. C.	21 Blue Bldg.	SEATTLE, WASH.	500 First Ave., South
HOUSTON, TEXAS.	505 Rusk Bldg.	TOLEDO, OHIO.	1922 Linwood Ave.
KITCHENER, ONT., CANADA—Canadian Blower & Forge Co., Ltd.		WASHINGTON, D. C.—640 Woodward Bldg.	15th and H Sts., N.W.
KNOXVILLE, TENN.—C. F. Sexton	702 Empire Bldg.	WILKES-BARRE, PA.—Power Engineering Co.	517 Brooks Bldg.
LOS ANGELES, CALIF.	708 Pershing Square Bldg.		

PRODUCTS: Heating and Ventilating Equipment including: Unit Heaters, Multiblade Fans, Pipe Coil Heaters, Buffalo Air Washers, Buffalo Unit Air Washers, Buffalo Unit Coolers, Drying Equipment, Mechanical Draft Fans, Air Preheaters, Exhaust Fans, Blowers, Dust Collectors, Disc Fans, Spray Nozzles.

Buffalo Air Washers

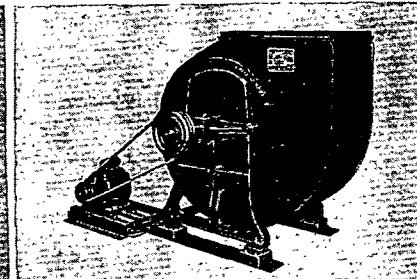


Buffalo Air Washers and Humidifiers are built for the most efficient washing, purifying and tempering of air under varying atmospheric conditions. Designed and constructed for low cost installation and maintenance. Careful attention to structural details insures long service-ability with a minimum of attention. Several types and models to meet specific plant requirements.

Fans for Every Ventilating Need

Buffalo Fans represent over 60 years of specialization in the design and construction of fans for practically every ventilating and air-handling application from small kitchen fans to rugged fans for boiler draft. For complete information state the type of fan you are interested in and a catalog will be sent.

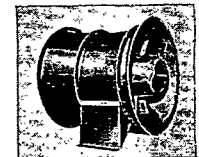
Buffalo Limit-Load Fans



Buffalo Limit-Load Fans for ventilating embody several improvements to deliver stepped-up efficiency under practical conditions. Durably built for years of service. Dynamically balanced. Quiet, economical to operate. Non-overloading characteristic prevents motor from overloading and burning out, regardless of fan load.

Buf-flow Axial Flow Fans

This specially designed high pressure fan—with directional guide vanes—propels the air stream in a true axial direction. Energy losses are reduced to a minimum with a resulting increase in fan efficiency and marked power savings. What's more, this fan cannot overload and burn out the motor.



(See also Page 1072)