

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 overstraining 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 "SE" 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.

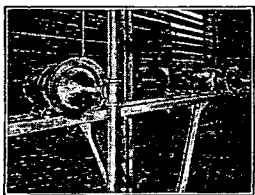
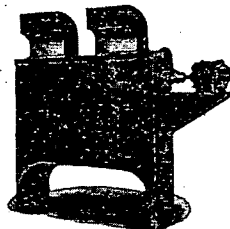
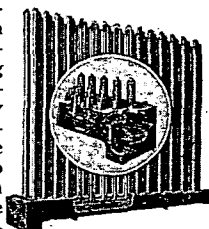
Shipped assembled in smaller sizes, and knocked down in the larger units. May be installed in horizontal or vertical position.

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

484 Broadway, Buffalo, N. Y.

Branch Offices

ALBANY.....	414 Standard Bldg.	KNOXVILLE—C. F. Sexton.....	P. O. Box 2224
ATLANTA.....	724 First Natl. Bk. Bldg.	LOS ANGELES.....	708 Pershing Sq. Bldg.
BALTIMORE.....	303 Morris Bldg.	MEMPHIS—A. W. Shelby.....	134 S. Second St.
BOSTON.....	Station Melrose, Mass.	MINNEAPOLIS—E. F. Bell.....	619 Foshay Tower
CHARLOTTE—J. W. Fraser & Co.,	P. O. Box 1436—124 Brevard Court	NASHVILLE—Southern Sales Co.....	117 Fifth Ave. N.
CHATTANOOGA—H. T. Purcell Co.....	502 Pound Bldg.	NEW ORLEANS—A. C. Hayes.....	1415 Carondelet Bldg.
CHICAGO.....	20 N. Wacker Drive	NEW YORK CITY.....	39 Cortlandt St.
CINCINNATI.....	622 Broadway	PHILADELPHIA.....	703 Cunard Bldg.
CLEVELAND.....	418 Rocketeller Bldg.	PITTSBURGH.....	912 Fulton Bldg.
DALLAS—Buffalo Engineering Co., Inc.	315 South Harwood	SAN FRANCISCO—Herbert-Moore Mchry. Co.....	550 Fifth St.
DENVER—Hendrie & Bolthoff Mfg. & Supply Co.,	1621-17th Street	ST. LOUIS.....	1596 Arcade Bldg.
DETROIT—Coon-DeVisser Co.....	2051 W. Lafayette Blvd.	SALT LAKE CITY—Salt Lake Hardware Co.....	
GREENVILLE—Geo. R. Morgan,	P. O. Box 563, 316 Walker Bldg.	SEATTLE.....	2434 First Ave. S.
KANSAS CITY.....	315 Dwight Bldg.	TOLEDO—Carl M. Eyster Co.....	1922 Linwood Ave.
KITCHENER, ONT.....	Canadian Blower & Forge Co., Ltd.	WASHINGTON.....	820 Woodward Bldg.
		WILKES-BARRE—Power Engineering Corp.,	Coal Exchange 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 Unit Coolers

Suspended Type: SC Cooler has copper coils suitable for cold water, brine, methyl chloride or Freon. Type SS units have steel coils, hot galvanized after assembly, for use with ammonia. Compact, simple, inexpensive.

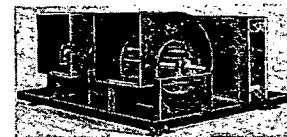
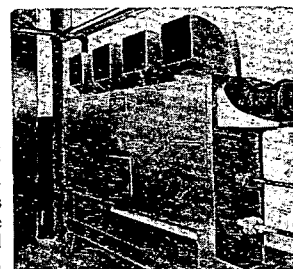
Floor and Flat Suspended: Available for same kinds of refrigerants, but with capacities from 2130 to 6480 cfm.

Central Conditioning Cabinets:

Type PC—for cooling and heating. Heating coils are two-row copper fin type capable of heating from 70 F to 135 F with 2 lb steam. Cooling capacities—from 3 to 24 tons.

Buffalo Air Washers

The outstanding features of Buffalo Air Washers are: eliminators in one piece and demountable; spray nozzles, non-clogging; suction screen extends entire width of tank; maximum contact between air and water spray. A complete line of self-contained unit air washers is also available.

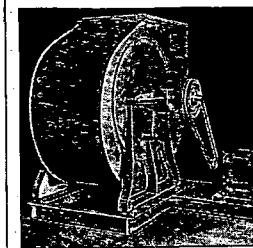


Buffalo Unit Heaters

Gas Units: Made in suspended and floor types. Total capacity 75,000 to 450,000 Btu input per hour. All models equipped with full automatic safety features. Eliminates boiler room, fuel storage, and necessity for fireman or engineer; is easy to install; clean and automatically controlled. Write for bulletin.

Steam Units: Both suspended and floor type units in a large range of capacities and with centrifugal or disk type fans.

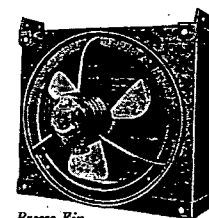
Buffalo "Limit-Load" Conoidal Fans with Silent Floating Bases



The Buffalo "Limit-Load" high-efficiency, non-overloading ventilating fan mounted on the silent, insulated floating fan base eliminates all motor and fan vibration, making an almost noiseless installation.

Breezo Ventilating Fans

Breezo fans provide efficient, inexpensive ventilation on any job where they may be used to exhaust into the open. Made in sizes from 8 in. to 36 in. diameter.



Breezo-Fin Steam Unit