The Marley Company, Inc.

Fairfax and Marley Roads, **Kansas City 15, Kansas**

Representatives in All Principal Cities (Consult Classified Telephone Directory)

Water Cooling Towers of All Types and Capacities. Spray Nozzles

Marley Non-Clog Spray Nozzles



Low pressure tangential inlet with high speed whirl and uniform fine spray.



Two-Piece Nozzle for all cooling and spraying. Readily cleaned.

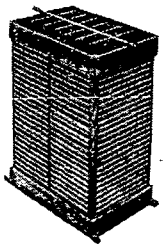


One-Piece Nozzle for cooling towers, spray ponds; large capacity.



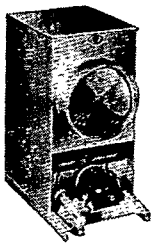
Atomizing Nozzle for humidifying, vaporizing; a "mist-like" spray.

ATMOSPHERIC SPRAY TOWERS



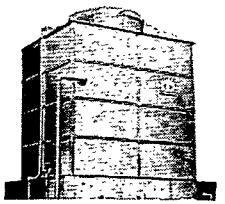
Marley Atmospheric Towers are designed for lowest cost, high efficiency installations on roof or ground where breeze is unobstructed. They are easily installed, simple and economical to operate. No fans, motors or other moving parts are employed. All are sturdily constructed from durable wood for long, trouble-free life. These towers owe their efficiency to the use of Marley low pressure spray nozzles and distribution systems. They are made in a wide range of closely graduated sizes and are shipped complete with necessary hardware, ready to erect.

MARLEY AQUATOWERS



Completely self-contained, these new "packaged-unit" cooling towers are the latest product of Marley's constant research and development program. Each Aquatower contains a built-in pump of ample capacity driven by the fan motor. Pump may be omitted if desired. Their small over-all space requirement permits installation in limited areas indoors or out. Aquatower capacities range from 3 to 15 tons of refrigeration. Shipped completely assembled, entire unit may be placed in operation by making electrical and hot, cold and make-up water connections.

SMALL SERIES VERTICAL STEEL



These attractive induced draft steel cased towers are specifically designed for medium capacity refrigeration and air-conditioning service. Small Series Vertical towers are equipped with Marley Triple Effect eliminators, Marley low pressure spray nozzles and distribution system. They are prefabricated and piece-marked for simplified field assembly. V-belt fan drive is standard equipment for all models. Marley Geareducers are available for larger capacity towers.

MARLEY DOUBLE-FLOW TOWERS

For large capacity installations, Marley patented Double-Flow Towers are designed to provide maximum efficiency and flexibility.



J. F. Pritchard & Co.

Fidelity Building, **Kansas City 6, Missouri**

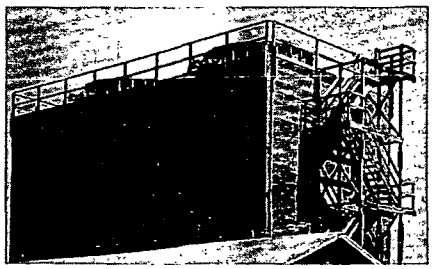
New York, Pittsburgh, Houston, Tulsa, Los Angeles

Representatives in Other Principal Cities

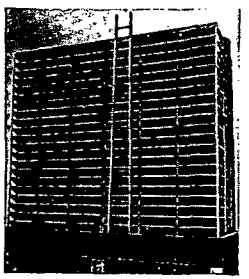
Engineers—Constructors—Manufacturers for the Refrigerated Industries

Specialized Equipment for Use with Refrigeration and Air Conditioning

ENGINEERING-CONSTRUCTION



Induced Draft Cooling Tower



All-Metal Spray Tower



Indoor Forced Draft

Many years of experience, covering large plants and small, all types of cold storage and refrigeration processing, qualify Pritchard to handle complete plants, revamps or additions, from plans to operation, on a full-responsibility turn-key basis that saves time and money. Any *part* of the complete Pritchard service (process designing, economic studies, plant layout, unit installations, etc.) is available separately.

AIR TREATER—Renders Air Germicidally Pure—Removes Dust, Pollen, Smoke and Other Solid Particles and Microorganisms—Controls Humidity—A compact "package" unit for easy installation.

AIR & GAS DRYING EQUIPMENT—Total or Controlled Dehumidifying—Adaptable for Various Solid or Liquid Adsorbents—Standard units, all capacities, automatic or manual regenerating.

HEAT EXCHANGERS AND CONDENSERS—All types of heat transfer apparatus, high or low pressure, shell and tube, atmospheric or submerged, standard or special designs. Pritchard has facilities and application knowledge to meet any need.

COOLING TOWERS—Pritchard has long been one of the foremost suppliers of cooling towers of all types and capacities. Specifications, prices, ratings and application recommendations furnished promptly.

Small Mechanical Draft Towers—Forced or induced, for indoors or out. Self-contained steel-cased units, easy to install, 2-ton capacity and up.

Natural Draft Spray Towers—With or without deck filling, with or without basins. Simple to assemble; slip-fit louvers; Redwood or all-metal; any capacity.

Natural Draft Deck Towers—Celebrated Pritchard "drift retrievers" minimize drift loss without restrictive secondary louvers. Free air flow gives higher efficiency. Rugged construction; low-pressure, uniform water distribution.

Induced Draft Towers—Extra-sturdy structural members and joints; double-wall casing. Valuable exclusive features include "Featherweight Fans" of wrought monel, superior air delivery per horsepower; trouble-free gear drives, either right-angle type with flex-coupled shaft to motor outside of fan ring or the famous "Sealdflow" unit streamlined to the fan hub, mounting motor and gears vertically on the fan shaft; low pumping head, uniform water distribution.

ALL-MONEL COOLING TOWER FANS—No gears, belts or couplings. Spherical hub houses slow-speed ball-bearing motor, lubricated for life, suspended in the fan ring by hollow vanes which ventilate the motor and guide the air stream. 36 in. to 96 in. diameters, avoid costly problems common to ordinary fans. Available as replacements, any make.

"AIRDFIN" AIR-COOLED HEAT EXCHANGERS—New efficiency and economy for many cooling and condensing functions, i.e., steam and other vapors, jacket water, oils, gases, quenching baths, etc. High-efficiency fan propels air through banks of finned tubes. No water problems.