

April Showers Company

4126 Eighth Street, N.W.

Washington, D. C.



(Trade Mark Reg. U. S. Pat. Office)

AUTOMATIC EVAPORATIVE ROOF COOLING

FIRE PREVENTION (from external sources) SYSTEM

AN EFFECTIVE WATER INSULATOR for all KINDS of ROOFS

Distributors and Dealers in Principal Cities

APRIL SHOWERS GO TO WAR

APRIL SHOWERS is now used by, and improves the working conditions in, many defense plants of our nation. Our largest installation is a 500,000 sq. ft. job at LUKAS-HAROLD CORP., U. S. Naval Ordnance Div., Indianapolis, Ind. It required over 2000 spray heads to cover this large roof area. Powers pneumatic controls were used.

Another large installation was made for GOODYEAR AIRCRAFT CORPORATION, Litchfield, Arizona. This roof has an area of 300,000 sq. ft. and M-H controls were used. The Manager of Plant Engineering Dept., wrote us, "There actually is a reduction in temperature of 12 to 15 deg. F. with the APRIL SHOWERS in operation. We feel that the APRIL SHOWERS have more than paid for themselves since their installation of a year ago." A large number of DEFENSE PLANTS are increasing production with better working conditions made possible by APRIL SHOWERS installations.

Post-War planners for enlarged business, write us. APRIL SHOWERS GO TO WAR is the title of a new brochure sent free for the asking. It explains how you may now make your own survey, even your own installation in some sections during the war. Solar gain through radiation can easily be dispelled. Design, layout and what may be expected from water applied to roofs, in various ways is discussed. Send for your copy now.

Air conditioning and plant engineers are agreed that APRIL SHOWERS fills a definite need where its use is indicated.

- **Solar radiation** is converted to cooling effect, reducing normal heat transmission 70 per cent upward. Entire roof surface temperature is normally held at wet bulb temperature when evaporative factors are favorable. Transmission of solar heat through glass skylights is reduced as much as 85 per cent.
- **Fire Prevention** from external sources is obtained through installation of manual emergency switch. Roof is quickly and completely sprinkled at will, putting out fire-brands, sparks, embers, and maintaining a water roof.

- **For Cooling Automatically** upper level, floors, lofts, rooms of buildings. For giant stores, theatres, amusement palaces, stadiums. APRIL SHOWERS is self operating by use of an electric thermal control placed upon the surface of the roof in the SUN. Evaporative cooling effect of liquid applied turns system off. Operating cycles repeat as roof temperature calls for cooling. Water may be used from city mains, wells, or waste water from condenser units.
- **Water Consumption** can be adjusted to approximately twenty gallons per day for 1,000 sq. ft.

Hundreds of installations, from Boston to Los Angeles have been made.
Write for information and address of nearest distributor.

Inquiries will be answered promptly. Estimates free upon request.

APRIL SHOWERS controlled roof cooling is protected by U. S. Patents; beware of imitators or infringers.

Developed in 1933-34.

Lilie-Hoffmann Cooling Towers, Inc.

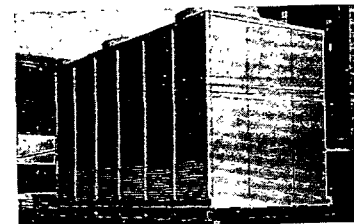
Exclusive Builders of Cooling Towers for 45 Years

4239 Duncan Ave., St. Louis, Mo.

Two Modern Plants—St. Louis, Mo. and Plainview, Texas

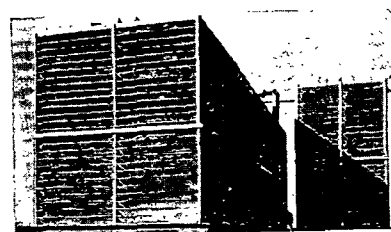
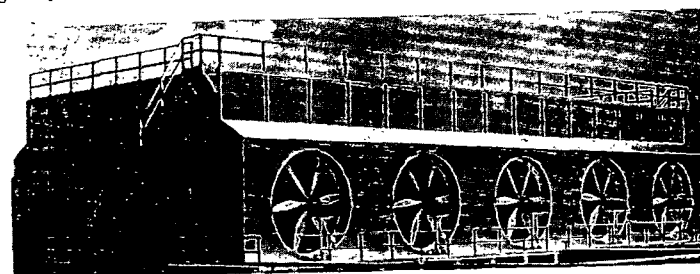
INDUCED DRAFT TOWERS

New type filling reduces static pressure; uniformly distributes air and water over effective tower area. Ring gravity distribution system requires only one riser pipe. Each cell main trough equipped with Weir gate, giving individual cell control. Teco timber connectors develop 100 per cent working stress of members.



FORCED DRAFT TOWERS

Three-tier zigzag pattern spray eliminator system cuts drift loss to a minimum. Fan opening covered by galvanized screen wire. Built in single or multiple cells. Continuous design improvement, based on installation studies, presents record of unfailing operation.



ATMOSPHERIC SPRAY TYPE

Generally offered in capacities up to 300 gpm. Distribution by galvanized pipe header with smaller lateral arms, equipped with non-clogging spray nozzles. Louvres fit into mast slots—no nails required. Recommended where cost is prime factor; and close approach to wet bulb is unnecessary. Rigidly braced and tied together to prevent warping and buckling.

ATMOSPHERIC DECK

Distribution by either wood trough, or wood pipe header system. Removable deck grids. Special L-H drift baffles on deck supports prevent entrained water loss. Generally 12 ft wide—can be made any length or height.

