

## April Showers Company, Inc.

4126 Eighth Street, N.W.

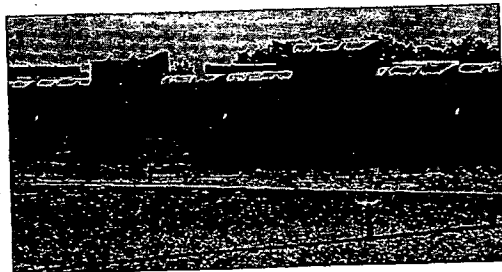
Washington 11, D. C.



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

### AUTOMATIC EVAPORATIVE ROOF COOLING

Distributors and Dealers in Principal Cities



Automatic  
ROOF  
COOLING

Spray Method

The logical FIRST step in  
any large or medium sized  
Air Conditioning program

Over 19,500,000 Square Feet of Roofs Cooled by APRIL SHOWERS. Excellent results recorded whether in conjunction with a true air conditioning system or alone as an "under-roof" Cooling System.

(Partial List of Users) E. I. duPont de Nemours & Co., Inc. (Stores: 19,549 sq ft Shipping Dept: 43,902 sq ft. Shops: 17,772 sq ft) Martinsville, Virginia.

\* Calhoun Garment Co., (44,660 sq ft) Calhoun City, Mississippi.

\* American Viscose Corp., (139,120 sq ft) Marcus Hook, Penna.

\* Stahl-Urban Company, (64,000 sq ft) Brookhaven, Miss.

\* Hamilton Standard, Div. United Aircraft (538,500 sq ft) Windsor Locks, Conn.

\* Livingston Shirt Corp. (24,544 sq ft) Livingston, Tenn.

\* Lockport Felt Company, (180,859 sq ft) Starkville, Miss.

\* Write-Right Mfg. Co., (44,352 sq ft) Chamblee, Ga.

And such others as: Lilly Tulip Co., General Electric Co., Westinghouse Electric Co., Eastman Kodak Co., Bulova Watch Co. and many others.

In addition, the Federal Government has used millions of square feet of APRIL SHOWERS installations. Among them is the 500,000 sq ft roof of the U. S. Naval Ordnance Building in Indianapolis, Ind.

Consider these important Facts when planning your next Air Conditioning or Cooling installation

\* Reduces loads of True air conditioning systems as much as 25 percent \* Lowers temperatures of upper floors 8 deg to 15 deg \* Used on all types and shapes of roofs on Industrial, Commercial and Residential buildings \* Increases employee efficiency \* Thermostatically controlled; no pool, no run off \* Installation is simple, inexpensive, fool-proof \* Operation and maintenance costs are negligible

The APRIL SHOWERS System is fully automatic. The Sun operates it. Requires very little water and City water, under normal city pressure, is usually adequate. No runoff. Installation and Maintenance Costs are low. Only finest materials are used. Precision workmanship.

Besides cooling "under-roof" areas, APRIL SHOWERS adds longer life to roofs (preventing the sun from speedily evaporating the protective roof-coating oils), gives added protection in case of fire and acts as a lightning arrestor.

April Showers is protected by U. S. Pat.

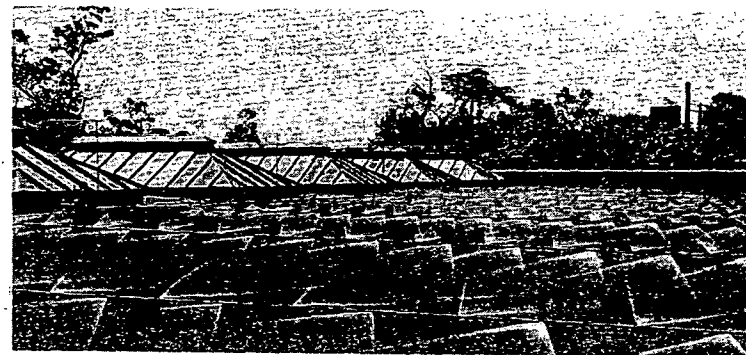
WRITE for complete information or Free Estimates. No obligations.

## Muellermist Irrigation Company, Inc.

2612-22 South Ninth Ave., Maywood, Illinois.

### FANJET EVAPORATIVE ROOF COOLING SYSTEM

Adapted to Practically Any Kind of Roof Surface



Tests of a sprayed roof\* show that it is more effective in excluding solar heat than a dry roof; more effective than a pool of water one inch deep; and more efficient than a pool six inches deep. For this reason engineers and plant managers are turning more and more to the sprayed roof as a relatively inexpensive means for improving working conditions in the absence of air conditioning, or of substantially reducing the load where there is air conditioning.

FANJET is a low priced roof cooling system with unusual features. No spray heads are required. By an exclusive process (Patents pending), copper pipe of special size and temper is pierced in such a way as to produce a fan shaped spray of peculiar character in that there are both fine and large drops. The fine drops wet the near areas while the large drops reach the outer areas with intersecting streams. Laterals are placed eighteen feet apart, with the pipe pierced on both sides except around the outside perimeters. The effect is a more evenly wetted

surface than is possible by other methods.

The sprays are regulated by adjustable automatic controls, so that the quantity of water applied approximately balances evaporation, with little if any waste.

To absorb all solar energy on a hot day may call for up to 36 gal of water per 1000 sq ft per hr. This would mean an excessive demand rate on a large roof, so the roof is divided into sections to fit the available water supply, each being wetted in consecutive order. For design purposes allow 200 sq ft to one gallon of water. Evaporation from a properly wetted surface will go on with full efficiency for five or more minutes during the "off" period. The daily water requirements would be around 200 gal per 1000 sq ft.

Water pressure at roof level should be enough to allow 20 psi at the valve for each section.

Full information and estimates on request, without obligation.

Inquiry from Dealers invited.

\* See ASHVE Transactions, Vol. 46, 1940, Research Paper 1157, p. 231