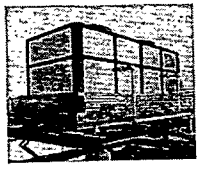
Water Cooling Equipment Company

8613 New Hampshire Avenue

Affton Station, St. Louis 23, Missouri

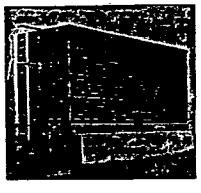
MANUFACTURERS OF MECHANICAL DRAFT AND ATMOSPHERIC COOLING TOWERS



LOW HEAD, INDUCED DRAFT COOLING TOWER

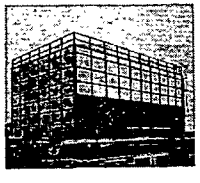
WLH Low Head, Induced Draft Tower with multiple cell arrangement. Monel Metal fan ring, Monel Metal blades and hub are used in the fan Unit. Self-contained, built-in motor located inside fan hub, is used. Motor bearings are factory lubricated and sealed requiring no further lubrication for the life of bearings. Outer casing can be cement asbestos board with contrasting trim strips for fire resistance and improved appearance.

REDWOOD "WATERFALL" ATMOSPHERIC SPRAY COOLING TOWER



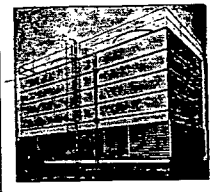
Factory fabricated and shipped knocked - down with all hardware, spray headers and spray nozzles. Complete erection instructions and drawings are furnished to assist in the assembly of the tower.

These towers are portable and can be knocked-down and moved simply by removing the louvres and bolts. Shipment can be made from stock. Write for Bulletin 125-A.



INDUCED DRAFT COOLING TOWER

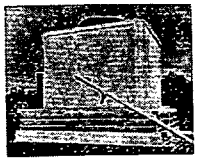
A 7700 gpm Induced Draft Cooling Tower constructed of all heart Redwood which was chemically treated with flame retardant and outer casing furnished of cement asbestos to conform to fire prevention regulations. Equipped with four 168-in. diam. stainless steel, 6-blade, adjustable pitch, propeller type fans.



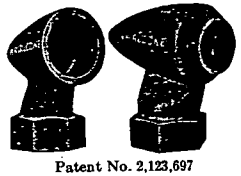
INDUCED DRAFT COOLING TOWER

Two-cell Induced Draft Cooling Tower, constructed of steel, designed to meet building code and fire prevention regulations, which require metal cooling towers.

LOW HEAD, INDUCED DRAFT COOLING TOWER



Redwood WLH Low Head Induced Draft Cooling Tower designed for roof or ground installation. Nail-less grid filling of advanced design and all - bolted construction, is employed. Water is distributed by the gravity-trough system resulting in a very low pumping head. Write for Bulletin WLH-801.



Patent No. 2,123,697

SPRAY NOZZLES

"Whirlcone" non - clogging, low pressure, centrifugal type spray nozzles for spray ponds, spray towers and other uses. Write for Bulletin 76-A.

ENGINEERING

Design and construction are based on sound engineering principles to meet specific requirements for cooling performance and structural strength. Redwood, steel or other suitable materials are used.

American Moistening Company

ESTABLISHED 1888

Providence 1, R. I.

ATLANTA 2, GA. BOSTON 9, MASS. CHARLOTTE 1, N. C.

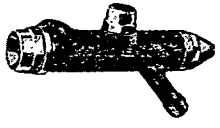
AMCO

UNIT HUMIDIFYING AND AIR CONDITIONING EQUIPMENT

A few of many AMCO products with a Long Record of Dependable Performance

Self-cleaning Atomizers.
Humidity Controls.
Amtex Humidifiers.
Evaporative Cooling Units.
Fabric and Paper Dampeners.
Electro Psychrometers.
Sling Psychrometers.
Hygrometers.
Mine Sprays.

Amco humidification devices offer an economical solution to practical humidification and control problems. Either as complete systems or as an adjunct to Central Station equipment they satisfy the need for wide-range adaptability combined with precision control. Consult with Amco *first*, for value backed by experience.



AMCO ATOMIZER—No. 5

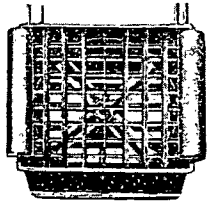
Quality and quantity of spray are maintained even under adverse conditions because this atomizer is automatically self-cleaning. When the compressed air supply is shut off, either manually or in response to a humidity control, *both* air and water nozzles are thoroughly cleaned.



AMCO HUMIDITY CONTROL

Compressed Air Operated

A unique hygroscopic element, which responds primarily to humidity and not to temperature, forms the heart and brain of the Amco Humidity Control. Its sensitive impulses, amplified by a simple pneumatic circuit, respond automatically to changes in relative humidity of one or two percent of the desired value, with a minimum of care and supervision. Successful operation in many hundreds of mills throughout the United States attests to its ruggedness and reliability.



AMCO EVAPORATIVE COOLING UNIT

The Amco System of evaporative cooling contributes to smooth production at high speeds in two ways; it maintains the percentage of relative humidity best suited to the fibre and process involved, and at the same time promotes the comfort and efficiency of personnel by obtaining the maximum practical cooling effect from evaporation. It does this by introducing outside air into the room in varying amounts, regulated in accordance with climatic conditions and inside requirements.

A ductless system—very flexible and portable. Can be applied in conjunction with an existing humidifying system.