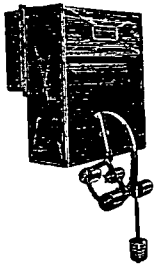
PREFERRED UTILITIES MANUFACTURING CORP.

33 WEST 60th STREET
NEW YORK, N. Y.

BOSTON SALES OFFICE
839 BEACON ST.

The "PREFERRED UTILITIES" are

- Air Conditioning Controls
- Anti-Hum Valve
- Anti-Syphon Valve
- Bake Ovens
- CO_2 Analyzer
- Combustion Chambers
- Commercial Ranges
- Commercial Range Burner
- Condensate Control
- Double Tapped Bushings
- Draft-A-Justors
- Draft Gauges
- Economizer
- Flame Mirror
- Floatless Low Water Cut-Off
- Flush Fill Boxes
- Foot Valves
- Heavy Fuel Oil Metering Valve
- Heavy Fuel Oil Strainer
- Heavy Fuel Oil Thermometers
- Heavy Fuel Oil Valve
- Ignition Torches
- Industrial Furnace
- Insulating Cement
- Joint Seal
- Multiple Boiler Control
- Nitralloy Nozzles
- Observation Ports
- Oil Pipe Dope
- 100% Automatic Damper
- Pressure and Vacuum Gauges
- Recording Thermometers
- Refractories and Cements
- Smoke Control
- Stack Thermometers
- Steam Line Oil Heaters
- Suction Line Extension Flange
- Suction Line Valves
- Syphon Breakers
- Tank Sludge and Transfer Pump
- Three Wire Armored Cable
- Vent Protectors
- Vented Fill Caps
- Water Level Control
- Yacht Hot Water Heater

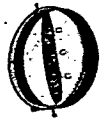


Large Draft A-Juster

PREFERRED DRAFT-A-JUSTORS

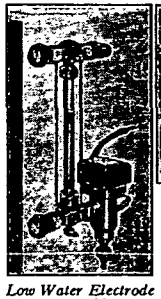
Listed as standard by the Underwriters' Laboratories, Inc.

Hundreds of thousands in use. Holds the draft constant in the fire box. Scientific draft control for the smallest to the largest jobs. Stove, domestic, and commercial sizes from 4 in. to 24 in. in diameter. Industrial sizes from 30 ft x 30 ft to 5 ft x 12 ft.

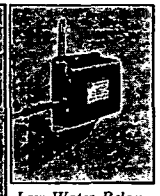


Small Draft A-Juster

THE PREFERRED FLOATLESS LOW WATER CUT-OFF



Low Water Electrode Assembly



Low Water Relay

Listed as standard by The Underwriters' Laboratories, Inc.
Conforms to *A. S. M. E.* Boiler Construction Code.

FEATURES OF THE PREFERRED FLOATLESS LOW WATER CUT-OFF

Unaffected By Sludge.
Fully Electric. Positive Snap Action.
Simple To Install. Priced Right.
No Parts To Replace After It Has Acted.

Instantly Returns Automatic Heating Equipment To Operation When Safe Water Line Is Restored.

The Cooling Tower Company, Inc.

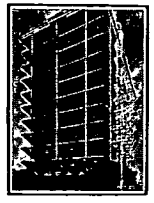
15 John Street, **New York, N. Y.**

Representatives in Principal Cities

Manufacturers of

Atmospheric Cooling Towers, Spracoolers, Forced Draft and Induced Draft Cooling Towers, Spray Nozzle Cooling Systems, Spirodome and Impact Type Spray Nozzles, Louvered Spray Fences, and Indoor Type Cooling Towers.

Atmospheric Cooling Towers



The amount of water circulated per square foot of active horizontal area (area of one deck) affects the final temperature to which an atmospheric cooling tower will cool.

Frame—Steel or timber diagonally braced for wind thrust, with load safety factor of 4. Our towers have passed the acid test of all recent cyclones.

Walkway and Ladder—Provide easy access to distributors.

Distributing System—Sprinkler type of patented construction. Guaranteed free from plugging.

Secondary Distributors—Prevent unnecessary icing of tower during winter use.

Decks—Patented sections; rigid alignment; warping or distortion prevented; uniform distribution of water; properly spaced.

Louvres—Wood or corrugated metal. Securely fastened; rigid construction.

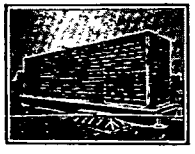
Collecting Basin—8 in. deep, extends 1 ft outside tower footings; fitted with discharge flange, suction head and strainer.

Lumber—California redwood or Louisiana cypress.

Substructure—Designed and furnished on request.

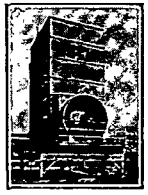
Guarantee—A curve guarantee for our standard atmospheric towers to show temperature reductions effected at various loadings per square foot of active horizontal area. All curves based on wet bulb temperatures taken with sling psychrometer.

Type A Spracoolers



For use where cost will not permit a standard deck type cooling tower and space will not allow a spray pond to be installed. Wood or steel construction, light in weight, equipped with an efficient nozzle distributing system.

Mechanical Draft Cooling Towers



We fabricate, erect, and guarantee forced and induced draft cooling towers of any capacity from one ton up, for indoor or outdoor use. Special Balke type filling provides for thorough mixing of air and water, resulting in efficient cooling.

Spray Nozzle Systems



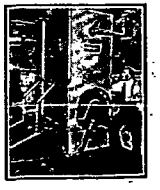
We make two types of spray nozzles—Impact spray nozzle which throws a flat, fan-shaped spray cloud—Spirodome spray nozzle producing a high conical spray cloud suitable for general installations.

Either type may fit requirements and our Engineering Department will submit proposals covering the best type for a particular purpose.

Outstanding features of our spray pond systems are:

(1) Non-clogging nozzles.
(2) Freedom from interruption of operation.
(3) Automatic drain and flushout valve.
(4) Well designed spray fence for protection against spray dirt.

Indoor Cooling Towers



For indoor installations of one to forty tons capacity. Available in commercial type or quiet rating. Steel shell, Balke type wood filling, drift eliminators, float valve, access door. Easy to erect, economical to operate. Low pumping head. Shipped complete or knocked down.