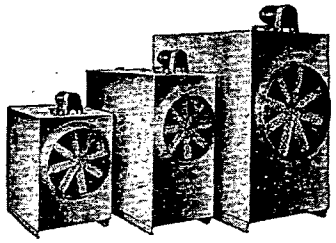
Halstead & Mitchell

Bessemer Bldg., Pittsburgh 22, Pa.

Plant: Zelienople, Pa.

One of the world's largest manufacturers of CLEANABLE, WATER-COOLED CONDENSORS

COOLING TOWERS



A Cooling Tower for all applications—from 2 to 100-ton capacities—all to strict Halstead & Mitchell "Built Like a Battleship" specifications.

HOUSING: Sheet steel, electrical welded, with coatings of Vinsynite, Vinyl Zinc and chlorinated rubber.

WATER DISTRIBUTION: Efficient gravity-type distributing pan eliminates extra pumping head, cuts down windage losses due to atomizing of water.

DRIVE—STAINLESS STEEL Shaft: Ball-bearing grease-sealed fan bearings with grease fitting brought to outside of cabinets. Cast iron bearing supports. Adjustable belt tension.

FANS: Quiet - operating, high - pressure, **STAINLESS STEEL,** multi-bladed.

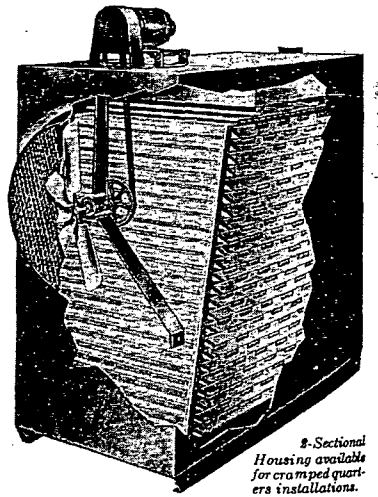
COMPLETE ASSEMBLY: All bolts used are Everdur for ease of disassembly after years of service. Easily accessible for cleaning through inlet on back of tower.

20-YEAR GUARANTEE ON THE WETTED DECK SURFACE

Halstead & Mitchell's use of Koppers pressure-treated wetted deck surface exclusively, makes possible a 20-year guarantee against rotting—and provides an effective deterrent against fungi growth.

MOTOR: Special weatherproofed and splashproof—for all weather conditions.

SPECIAL NOTE: All towers deliver 300 cfm of air per ton @⅜ in. static pressure.



2-Sectional Housing available for cramped quarters installations.

Cooling Tower No.	Nominal Rating (Tons)	Dimension (Inches) Length	Width	Height	Pipes Sizes In	Out	Over Flow	Fan Dia.	Motor HP	RPM	Air Inlet Ht × Width	Shipping Weight Pounds	Wetted Weight Pounds
WT214	2	33½	24	34¾	1¼F	1¼F	1	16	⅓₀	1000	22½ × 21⅛	198	303
WT314	3	37	24	34¾	1¼F	1¼F	1	16	⅓₀	1000	22½ × 21⅛	210	345
WT514	5	43½	29	42½	1½	1½	1	24	¼	1725	28¼ × 26⅛	380	755
WT714	7½	43½	29	58	2	2	1¼	24	¼	1725	44¼ × 26⅛	495	890
WT1014	10	61	29	58	2	2	1¼	24	⅓	1725	44¼ × 26⅛	665	1200
WT1514	15	75½	29	63	2	2	1¼	24	½	1725	48⅜ × 26½	855	1495
WT2014	20	76	44	76	•	3	1½	36	½	1725	55 × 40	1140	2370
WT2514	25	76	44	76	•	3	1½	36	¾	1725	55 × 40	1600	2550
WT3014	30	100	44	76	•	3	1½	36	1	1725	55 × 40	1920	3110
WT4014	40	101	72	76	•	4	2	42	1	1725	55 × 68	2800	4800
WT5014	50	125	72	76	•	4	2	42	1½	1725	55 × 68	3160	5616

Also available in 75 and 100 ton sizes.
• Open Type Distribution Pan. Capacity 78 deg. Wet Bulb
In larger towers, open-type pan allows bringing inlet water through the center, providing better distribution over entire pan.
Remote water basins may be had for basement installation for year around operation even during freezing weather.

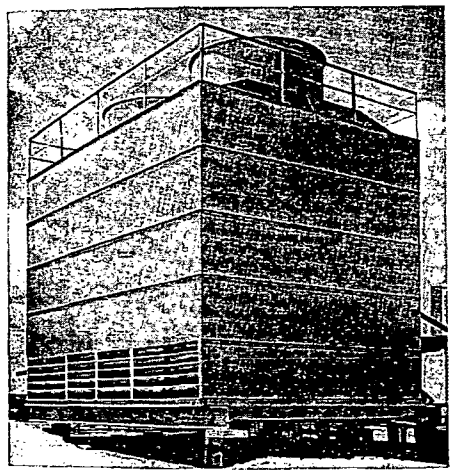
Send for complete Descriptive Bulletins on Cooling Towers and Condensers.

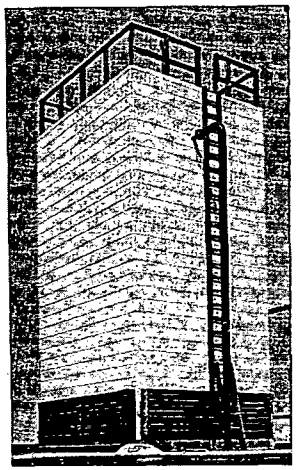
Lilie-Hoffmann Cooling Towers, Inc.

Exclusive Builders of Cooling Towers for 55 Years

4239 Duncan Ave., St. Louis 10, Mo.

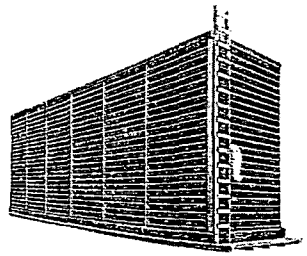
Two Modern Plants—St. Louis, Mo., and Plainview, Texas





INDUCED DRAFT TOWERS

New type filling reduces static pressure. Filling consists of slats, assembled in grids. Slat arrangement insures maximum wetted surface, minimum pressure drop of air flowing through tower packing, and uniform distribution of water and air over the entire effective area within the tower. Gravity distribution system requires only one riser pipe. Teco timber connectors develop 100 per cent working stress of members. Normally constructed of selected California redwood. All fans furnished by Lilie-Hoffmann are *P.F.M.A.* tested and certified.



HORIZONTAL DRAFT (Package Type)

Designed specifically for 4 to 60 ton refrigeration installations. Structure and basin of California Redwood. Sides of corrugated and flat cement asbestos sheets with stainless steel trim; no painting required. Distribution of splash gravity type, non-sag, non-warp removable filling.

ATMOSPHERIC SPRAY TYPE

Generally offered in capacities up to 3000 gpm. Distribution by galvanized pipe header with smaller lateral arms, equipped with non-clogging spray nozzles. Water atomized as finely as possible. Sides and ends of towers equipped with narrow louvres, which fit into mast slots—no nails required. Recommended where cost is prime factor; and close approach to wet bulb is unnecessary.