

H&M INTEGRATED FACILITIES FOR START-TO-FINISH QUALITY CONTROL

Halstead & Mitchell manufacturing facilities are unsurpassed in the air conditioning and refrigeration industry for their ability to turn out quality products at low prices. Fully integrated to control costs as well as quality, the well equipped plants include a complete copper mill to make the basic tubing and a fleet of trucks for fast delivery of finished goods and parts.

Research and engineering activities are maintained on a regular, continuing basis, ever seeking to improve processes and develop new products. Increasing customer demand for its products assures Halstead & Mitchell of continued leadership in the industry.

1. The extrusion press shown above converts electrically heated billets into large diameter, prime copper tubing or into brass rods. H&M's copper mill also includes draw benches, annealing furnaces, pickling and straightening facilities, and can process 38 million pounds of copper tubing and brass shapes per year at peak capacity.

2. All components of H&M water-cooled condensers are manufactured at the Zelienople plant. Specially developed machining and brazing equipment is used to adapt the brass headers to the double tube, counterflow design, allowing easy cleaning of the water tubes. Production capacity can reach as high as 2000 per day.

3. Another unique production tool is the Ester gang saw used for cutting cooling tower slats. This ever-hungry unit consumes one million board feet of lumber every month, processing it into decking material ready for pressure creosoting for Halstead & Mitchell cooling towers.

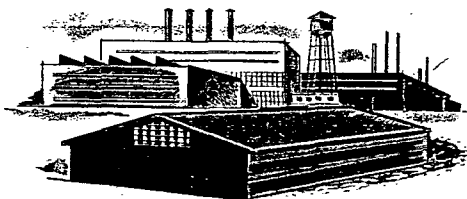
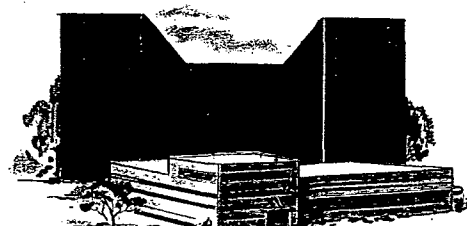
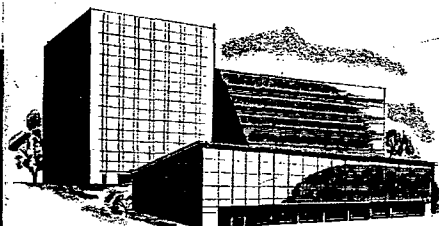
4. Automatic finning machines stamp out 2400 Turbu-Flo fins per hour from a continuous roll of aluminum strip. The fins are cut to size, the streamline pattern is embossed, and collars for uniform fin spacing are all provided in a single operation as the fins are fed directly on to copper tubing in lengths up to 25 feet. After finning, the tubing is expanded mechanically against the fins for bonding.

In a general bulletin, information on each product line must necessarily be brief. Complete, descriptive literature including ratings and dimensional data on any Halstead & Mitchell product is yours for the asking. See your local wholesaler, or write Halstead & Mitchell, Bessemer Building, Pittsburgh 22, Pa.



National-U.S. Radiator Corporation

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