

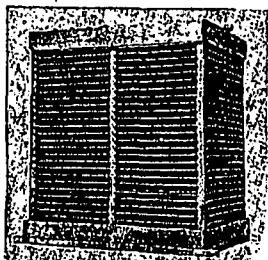
Equipment (Continued)

models designed for open or closed vessels, and for internal pressures up to 600 psi and temperatures to 700 F. All exposed parts are of noncorrosive material, making the unit suitable for use with a wide variety of liquids. Special materials can be supplied for units required to work with chemicals or other corrosive liquids. Magneswitch Inc., 4261 S Western Blvd., Chicago 9, Ill.

Welding Torch

E193

Ataco 800 oxyacetylene welding torch weighs 1½ lb and is 11½ in. long. It operates single-flame welding tips from No. 0 to 13, inclusive, as well as multiflame tips up to No. 15. Torch head is metal metal. Each welding tip is assembled with an individual mixer drilled for that particular size tip, thus assuring better flame control and weld results. Dept 1046, Air Reduction Sales Co., 60 E 42nd St., New York 17, N. Y.



Cooling Tower

E194

BALANCED SPRAY, small natural-draft cooling tower is prefabricated and shipped "knocked down" with all pieces marked. Six frame sizes, from 4 to 36 tons refrigeration, are available.

Series 100 tower has machined louver ports, slip-fit louvers, bronze spray nozzles, galvanized hardware, California redwood lumber. Basin comes complete with wooden nails, steel basin, automatic float valve, noncavitating cast-iron suction. Marley Co., Kansas City 15, Kansas.

Smoke Indicator

E195

DENSITY METER (Model KS 1-2) calibrated in Ringelman numbers and percentage smoke scales has adjustable relays for energizing an alarm bell and can be provided with a recorder to list time and length of smoking violation. Signal lights indicate operation. Internally wired panel

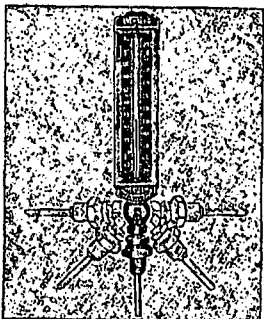
box with adjustment controls can be used with solenoid for operating boiler auxiliaries and, together with a time-delay relay, to keep auxiliaries on after smoke starts. Unit operates from 115 v ac or dc. Tri-mount Instrument Co., 37 W Van Buren St., Chicago, Ill.



Plumbing Fixtures

E196

FEATHER-TOUCH LINE of plumbing fixtures eliminates metal valve seats, washers or ordinary packing. Instead of conventional metal seats or washers, these valves use two O rings of special synthetic rubber, which are impervious to extremes of heat and cold. Stem wipes clean as it closes to provide good drip-proof service. H B Salter Mfg Co., 10 Main St., Moravia, Ohio.



Adjustable Thermometer

E197

WEKSLER ADJUST-ANGLE industrial thermometer provides the proper angle of vision. Any required angle, front to back, left to right, through 180 deg, can be

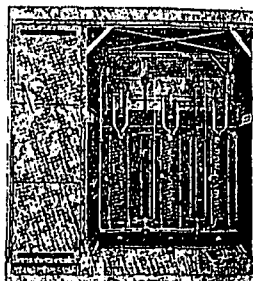
quickly made by a simple adjustment. Flexible metal capillary within a specially designed ball connection permits adjustment of stem or case to desired position. Can be supplied in three regular case sizes: 7, 9 and 12 in. The cases are V-shaped designs with 2-piece bronze case and glass protecting bezel. Wekser Thermometer Corp., 52 W Houston St., New York 12, New York.

Piping Slide Rule

E198

VELOCITY AND PRESSURE DROP CALCULATOR gives two answers to fluid-flow problems: (1) a quick estimate based upon a pipe friction factor of 0.006 (2) an accurate solution by applying a correction factor to the estimate in (1) for straight pipe losses. Fitting and valve losses are independent of the friction factor and require no correction.

Rule divides into parts. One is devoted to liquids, another to gases. Friction-factor correction chart and slide give fitting and valve losses common to both liquid and gas fluids. Compressibility effect makes solutions inaccurate for gaseous fluids experiencing pressure drop 10 to 15% of the initial pressure. Tube Turns, Inc., 224 E Broadway, Louisville 1, Ky.



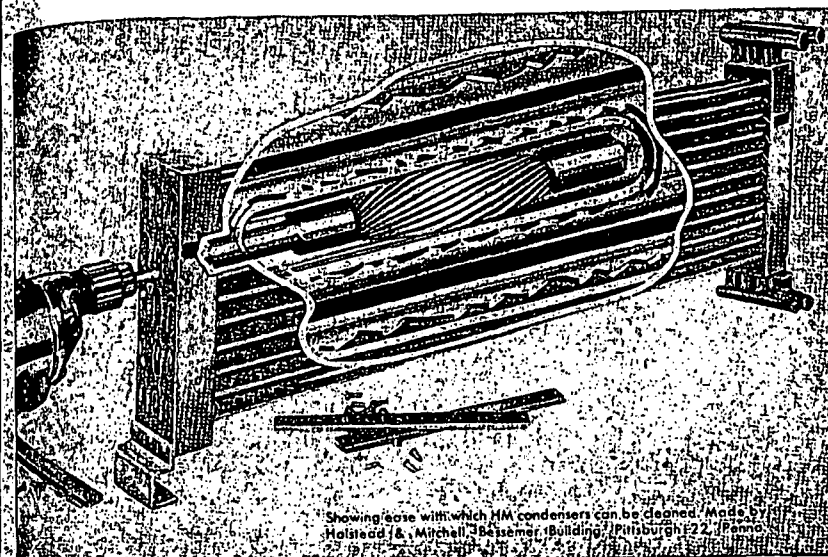
Load-Center Transformer

E199

A DRY-TYPE CLASS B insulated load-center transformer is for plant power-distribution circuits. Transformers are housed in paneled enclosures for indoor installation. Compartments for primary and secondary switchgear can be furnished to form a complete unit substation. They are rated 100 to 2000 kva, 3 phase, 60 cycle, with high voltages of 2400, 4160, 4800, 7200, 12,000, 13,200 or 14,000. They are also made for low voltages of 600, 480, 240 or 208 Y-120.

Core and coil are cooled by exposing as much radiating surface as possible to the air. Insulation materials are mainly Class B; Class C materials are used where extra strength is needed. Core conductors have a double layer of fiber glass. Fans for

REVERE COPPER TUBE PROTECTS CONDENSER QUALITY AND SERVICE



Showing base with which HM condensers can be cleaned. Made by Halstead & Mitchell, Bessemer Building, Pittsburgh 22, Penna.

This illustration shows one of the features of HM Condensers—cleanability. In the words of the manufacturer:

"These new HM units combine two qualities never before obtainable in tube-within-a-tube, water-cooled condensers—they're cleanable, and they achieve true counterflow heat-exchange relationship between the coolant and the refrigerant, enabling water requirements to be reduced without sacrificing condenser unit capacity."

AN IMPORTANT FACTOR not seen is the use of Revere seamless copper tube for both the inner and outer tubes of the condenser, and also rectangular brass rod for the header bar. This tube as well as the bar, must be practically perfect, in order to avoid the possibility of leakage during the expected normal life of the condenser, a life which is greatly extended due to the fact that the water tubes are accessible at both ends for insertion of the spiral cleaning tool. The manufacturer, Halstead & Mitchell, recently gave Revere a pleasing but not unusual compliment, saying that no Revere tubes had ever proved defective.

Revere offers condenser tubes not only in copper, but in Admiralty Metal, Muntz Metal, Revalon (Aluminum Brass), Herculoy, Brass, and three types of Cupro-Nickel. See Revere for condenser tubes.

REVERE

COPPER AND BRASS INCORPORATED

Founded by Paul Revere in 1801

230 Park Avenue, New York 17, New York

Mills: Baltimore, Md.; Chicago, Ill.; Detroit, Mich.; New Bedford, Mass.; Rome, N. Y.—Sales Offices in Principal Cities, Distributors Everywhere.

Use convenient reply cards on page 166a to secure additional information on these new equipment items. Please be sure to identify your request with the new-equipment key letter, E, and number, as shown on the items above.