

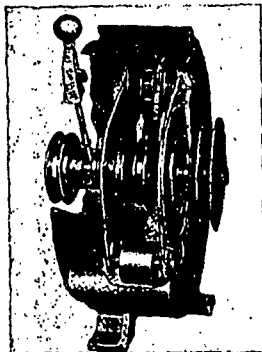
Equipment Continued

less-steel grill plates over the cooling-air inlet, making them verminproof. All sizes may be washed down to insure maximum sanitation.

Entire base of this motor is enclosed by the housing, preventing collection of milk or other food particles under the motor. Mounting bolt holes are located in accordance with NEMA standards, permitting this motor to be interchanged with motors now in use. It is available with the Type C flange for pump application, and for all standard and special voltages and frequencies. Louis Allis Co., Milwaukee 7, Wis.

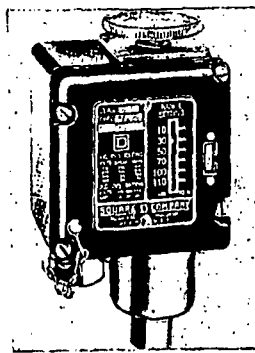
Abrasive Cement E287

ORIGINALLY IN POWDER FORM, addition of water makes a mortar out of *Duracite*, an abrasive cement available in six colors. Manufacturer claims it bonds with slate, marble, concrete, wood, even when applied to a feather-edge of $\frac{1}{8}$ in. Product is reputed to eliminate slip. Durnette Sales Co., 388 South St., Newark 5, N. J.



Variable-Speed Drive E288

VARIABLE-SPEED DRIVE uses principle of planetary motion in combination with standard V-belts and variable-pitch sheaves to obtain infinite speed changes from 0 to 800 rpm and into reverse where needed. It has cast-iron sheaves on hardened and ground shafts and guide pins with sealed prelubricated ball bearings, mounted in light cast-aluminum housings. Optional V-belt or flexible-coupling input and output makes the speed selector easily adaptable for mounting in any position on new or existing equipment. It is available in sizes of $\frac{1}{2}$ to 5 hp. Speed Selector, Inc., 118 Noble Court, Cleveland 15, Ohio.



Pressure Switch E289

DESIGNED SPECIFICALLY to meet needs of machine tool and welder industries, new switch covers a wide range and diversified applications encountered in control of pneumatic or hydraulic machines. They are suitable for control circuits of welding equipment, machine tools and high-pressure lubricating systems.

Switching enclosures are of die-cast aluminum and are drip-tight and oil resistant. A trip indicator operates behind a window in the cover, permitting easy observation of switch action. This indicator flag facilitates proper setting of trip point and immediately shows any pressure surge or other conditions that might be objectionable. Positive quick-make and quick-break action is assured by use of a precision single-pole, double-throw snap switch mechanism.

Bellows actuated types are available in ranges up to 1,000 psi. Piston actuated controls for hydraulic fields are suitable for pressures up to 3,000 psi. Industrial Controller Div., Square D Co., 4041 N. Richards St., Milwaukee 12, Wis.

Appliance Plug, Holder E290

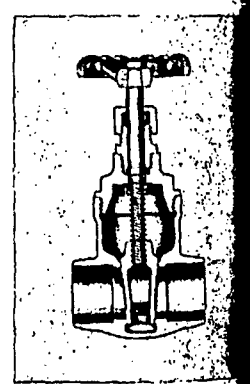
DESIGNED TO MAINTAIN tight connections for all electrical outlets in industrial shops and plants, *Lok-Tite* plug and wall-plate unit prevents accidental disconnection of all portable electrical equipment. Plug is of durable hard rubber attached inside a metal holder. Projecting ears on holder engage under receiver prongs on the wall plate; a quarter turn locks the connection. Suitable for all overhead and hard-to-reach connections, this plug and holder combination reduces lost time because of disconnection of power equipment. Once secure, the plug cannot be pulled out until turned and released. Complete attachment consists of hard-rubber plug, plug holder and wall plate. Lok-Tite Mfg. Co., 1050 Sherman St., Denver, Colo.

CO₂ Indicator E291

BURELL CO₂ INDICATOR consists of a transparent plastic barrel with aluminum end caps, inner stainless-steel tube containing a dry absorbing cartridge, metal gravity piston and a gage calibrated to read directly in percent CO₂. Gas sample is forced into the barrel by a rubber hand pump. Indicator is then inverted a number of times, moving piston back and forth in the barrel to push gas sample through absorbing cartridge. Indicator comes complete with cartridge, plastic combustion indicator, sampling pump and tube. Burrell Technical Supply Co., 1942 Fifth Ave., Pittsburgh 19, Pa.

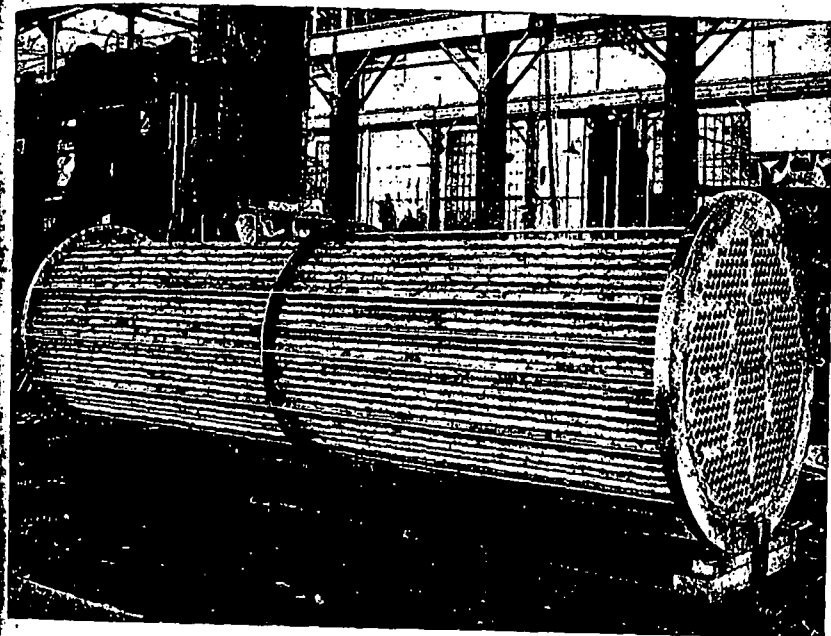
Over-Center Clutches E292

SMALL TOGGLE-TYPE, over-center clutches are adapted for a wide variety of installations. The toggles are factory-assembled with release mechanism and adjusting pin. Entire assembly comes off in one piece when clutch is disassembled. Small ammeter clutches are available in capacities ranging from 0.5 to 1.7 hp per 100 rpm. Morse Chain Co., 7601 Central Ave., Detroit 8, Mich.



Gate Valves E293

LARGE or 100-psi brass gate valves are finished in two types: the No. 410 screw end valve in sizes $\frac{1}{2}$ to 2 in. and the 1320 solder-joint valve in sizes $\frac{1}{2}$ to 2 in. These are nonrising stem valves, which are being discontinued. Easy to install, they are designed to fit standard soldered-joint design are made to fit over hard copper tubing, which enables solder to flow into the joint by capillary action. Disk is the one-piece wedge type. Valve seals are cast as part of the valve stem can be repacked while



ELECTRICITY CAN BE CORROSIVE, TOO

OPERATORS of condensers are well-informed and follow sound general practices that should result in satisfactory tube life, but it has been estimated that in about 90% of American plants there is at least one piece of equipment that shows tube trouble. Such cases interest Revere greatly, because we want condenser tubes to give satisfactory, economical service.

Sometimes the causes of premature failure are obscure and difficult to discover. One of them is stray electricity. When you remember that copper plating is usually done at about 4 to 6 volts, you can see that it doesn't take much to move metal from one place to another through a fluid. Any flow of current through a condenser is sure to be destructive.

Electricity often finds strange routes to ground through high-resistance shorts that do not show up through blown fuses, overheated parts, arcing, and similar obvious indications. Pump motors, for example, may work perfectly well, but permit a little "corrosive" electricity to pass along to ground through the condenser; electrolysis results. Galvanic action, due to the use of metals of too-great dissimilarity, may also occur,

but is rare in a condenser properly designed for its operating conditions.

So Revere suggests you include electricity as a possibility when seeking the causes of unexpected tube failure. And it is also advisable to save samples cut from failed tubes, to be sent to Revere for laboratory examination. Facts thus scientifically uncovered may lead to recommendations that will solve the problem. If you have a condenser tube problem, ask Revere to help.

REVERE

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