

Equipment Continued

The collar also controls height of solder, leaving an exposed length of collar without heat injury to either hose or braid. Collar also supports hose at most vulnerable point, thus eliminating need for reinforcement. Brockway Co., Naugatuck, Conn.



General-Purpose Floodlight E301

SUITABLE FOR SMALL-AREA LIGHTING, both Type L-82, rated at 300-500 watts, and Type L-83 at 750-1000 watts, may be used for lighting small sports areas, gas stations, as well as construction projects. A tightly sealed hinged door, locked by three clamping lugs, replaces clamp ring on older types. A locking handle on the elevation adjustment eliminates need for using wrench. Both types are provided with portable base and pipe-clamp mounting. General Electric Co., Schenectady 5, New York.

Condensate-Return Pump E302

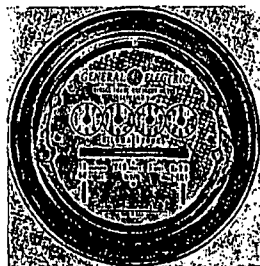
VERTICAL-TYPE CONDENSATION UNITS take care of 500 to 10,000 sq ft of direct radiation against pressures from 10 to 55 psi. The centrifugal pump has a fully enclosed bronze impeller, stainless-steel shaft, with slotted compression-type coupling, bronze jet tube and nozzle, and brass strainer. Receiver is made of close-grained cast iron. Unit has ball bearings, solid shaft, 3500-rpm capacitor motor, built-in thermostat with automatic reset for overload protection. It is regularly furnished for 110 to 220 v, 60 cycle, single-phase, ac. Control is by a single pole, vertical magnetic switch, fully enclosed and sealed, mounted on receiver and operated by dual float. It has no diaphragm or stuffing box. Entire pumping unit and jet can be removed from the tank for cleaning without disturbing any of the piping. Deming Co., Salem, Ohio.

Oil Purifier E303

HILCO OIL PURIFIERS are used for complete refining of lubricating oils in diesel engines, gas engines, automobiles, buses, trucks, and many types of industrial oil. In operation, dirty oil is piped to oil inlet on the motor pump set, and by the float control a predetermined amount is delivered to the tank. The oil is then pumped to a heater tank and mixed with Fuller's Earth; during the heating period, all solid matter and acids in the oil are absorbed. After moisture and liquid contamination are removed, heaters are shut off and compressed air is introduced. The oil is then sent through a secondary filter to an oil storage tank. Hilliard Corp., Elmira, N. Y.

Overrunning Clutch E304

MULTIPLE-DISK OVERRUNNING CLUTCH has drive plates, spline driven from a shaft pinion and working pressure applied automatically by the drive shaft through balls actuated by cams. Multiple-disk pressure balls transmit only working pressure, which is a comparatively small part of clutch capacity. Remainder of clutch capacity is transmitted directly to drive plates through driving splines the moment working pressure starts to build up, to give a gradual pickup. Pressure from balls and cams is transmitted to ball thrust bearing that keeps release drag low. Spring between disks insures their free running when released and exerts a light force on pressure balls during overrunning. The latter insures that the balls will start to apply the clutch as soon as driving element applies load. Kinney Mfg Co., 3529 Washington St., Boston 30, Mass.

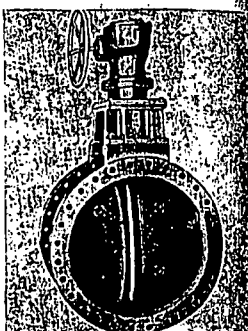


Walthour Meter E305

FEATURING MAGNETIC SUSPENSION of rotating element, Type 1-50 floating-disk meter eliminates need for jewel bearings, reducing maintenance cost.

Magnetic suspension elements consist of two concentric magnets placed one within the other. Outer magnet is attached to meter frame, while inner magnet is fastened

to upper end of disk shaft. Inter-axes of the two magnetic fields supports the rotating system at a small downward displacement. Meter is provided with a new damping system consisting of two small Alnico magnets, die-cast into the frame, minimizing side thrust and the tendency to noise and vibration. General Electric Co., Schenectady 5, N. Y.



Shutoff Valve E306

R-S CLASS B IRON VALVE, Type B944, rated at 50 psi, is for rugged hydraulic service, equipped with the patented R-S rubber spool. This spool, combined with a winch-type closure of the angular seating disk, provides positive shutoff. Valve will give bubble-tight shutoff up to 200 psi, and commercially tight shutoff up to 100 psi. R-S Products Corp., Philadelphia, Pa.

Roofing Sheet E307

MONEL SHEET for roofing purposes has mechanical and corrosion-resistant properties as well as ease in bending, forming and seaming, states its manufacturer. Available in standard roof thicknesses, claims have been made for 100-year life. International Nickel Co., 67 Wall St., New York 5, New York.

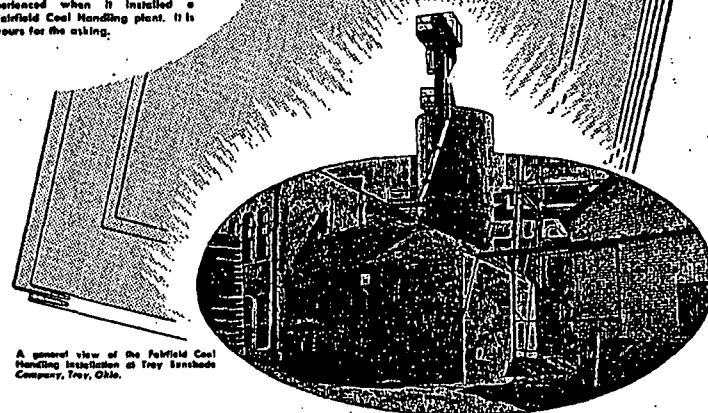
Motorized Speed Reducer E308

THESE SPEED REDUCERS, in 1 and 1 1/2 hp capacities, are for speed ratios from 5:1 to 72:1 and from 317 rpm to 24 rpm. Output torque is from 43 in. lb to 354 lb. Housings are aluminum alloy and worm gears are of special bronze. Worm motor shaft is integral, made of hardened steel and ball bearing mounted. Output shaft roller bearings are mounted in iron covers and input shaft bearings mounted in cast-iron carrier cap. Two (Continued on page 140)

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