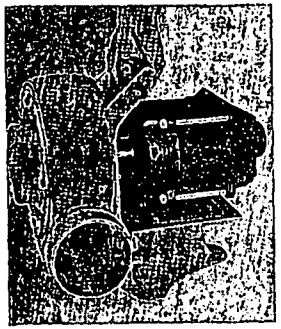
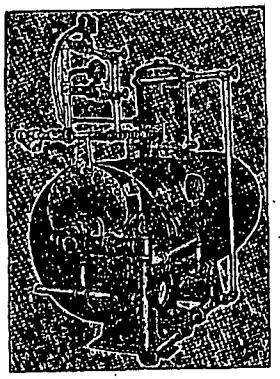
principle of saturating air with moisture at given desired dewpoint temperature. Then, by reheating, it produces exact conditions of relative humidity and temperature needed. **Niagara Blower Co, 405 Lexington Avenue, New York 17, New York.**

D9 PORTABLE VENTILATOR—*Saf-T-Air* motor-driven ventilator has capacity of 425 cfm and weighs 50 lb. Compact size allows unit to pass through small hatch-

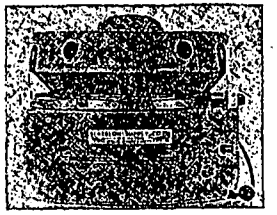


ways, and it can be adapted to spray-painting, welding and similar jobs. **United Electric Motor Co, 178 Centre St, New York, 13, N. Y.**

D6 DEAERATING HEATER—Heater reduces oxygen content of boiler feedwater to less than 0.05 cc per liter. Comes in capacities of from 3400 to 34,000 lb per hr rating. **F H Schaub Engrg Co, 2110 S Marshall Blvd, Chicago 23, Ill.**



D13 INDUSTRIAL HUMIDIFIER—Moisture atomization without pumps, compressors or steam is the claim of this manufacturer for his self-contained humidifier. A water-supply line feeds a completely covered pan in lower portion of unit. No return line is needed. Air comes in through the bottom through a fiber-glass filter. Automatic controls are supplied for regulation of humidity. Vaporization capacity is over one gallon per hr, and domes come in single, double, or 360 degree directional outlets. **Abbeon Supply Co, 58-10 41st Drive, Woodside, New York, N. Y.** *See photo below.*



D14 WALL HEATER—Vertical, semi-cylindrical, nickel-chrome heating element comes in 1500-, 2000-, 3000- and 4000-watt capacities for 230 v, ac operation. It heats by both radiation and convection. Built-in thermostat with adjustable control maintains desired temperature for this easily installed, grill-faced wall heater. **Electric Heating Dept, Westinghouse Electric Corp, Emeryville 8, Calif.**

D15 HUMIDIFIER UNIT — Compact, self-contained humidifier contains four humidifying nozzles, water tank with float valve, water strainer, air filter, air regulator with pressure gage and solenoid-operated



valve. A humidistat also forms a part of the unit but is separate from the cabinet. As supplied, humidifier unit is ready for connection to air and water lines and electrical circuit. Four nozzles atomize 35 lb of water per hr using 5 cfm of atomizing air at 32 psi. These nozzles can be adjusted for position in the cabinet. **Spraying Systems Co, 4021 W Lake St, Chicago 24, Ill.**

HOSE, PACKING AND PAINTS

E1 BAKING VARNISH — All-purpose bakelite-base insulating varnish can be used on all coils. One advantage claimed of *Synthite* AJR-7 is its ability to cure rapidly and completely at lower than average temperatures. Varnish especially adaptable for service on modern magnet wire. **Dept 30, John C Dolph Co, 1060 Broad St, Newark 2, N. J.**

E2 FLEXIBLE TUBING — Ronaflex tubing consists of tough rubber tube protected by steel-wire braid to withstand abrasion, severe wear and pressure. Tubing available with snap-on couplings for easy connection. **Ronaflex Tubing Co, Philadelphia, Pa.**

E3 METAL PACKING—Self-forming and lubricating packing is impregnated with heat-resisting lubricants, and is constructed of anti-friction alloy metal. Packing molds itself to size and shape of stuffing box to effect seal and still permit action of rods or pistons. **Packing Div, 3677 Filbert St, Philadelphia, Pa.**

E4 METALLIC PACKING — Improved floating-seal packing features simple construction and more efficient performance. Adaptable to both rod and plunger operation, can be used for all types of compressors. **Rodpak Mfg Co, San Francisco, Calif.**

E5 FLEXIBLE TUBING—Titeflex *Monel* flexible tubing supplied for four temperature ranges, and where corrosion problems from mineral and organic acids, alkalies and salts are present. **Titeflex, Inc, 500 Frelinghuysen Ave, Newark 5, N. J.**

E6 PACKING—*Chemiseal* No. 510 is chemically inert, antiadhesive and easily deformable valve packing. Made from 100% unoriented *Teflon*, packing is inserted into valve stuffing boxes in form of sleeve or bushing, and with small nut pressure flows to dimensions of stuffing box. **U. S. Gasket Co, 610 N 10th St, Camden, N. J.**

E7 FLAT PAINTS—Rubber-base, self-sealing, flat-finish paint said to brush equally smooth over painted or unpainted work, smooth or rough surfaces. **Truscon Labs, Detroit, Mich.**

E8 PROTECTIVE COATING—*Sika-seal* adheres to and protects wet or dry surfaces. Mixture composed of blends of specially treated asphalt, plasticizing and adhesive compounds brought to proper consistency with solvents. **Sika Chemical Corp, 35-49 Gregory Ave, Passaic, N. J.**

E9 PUMP PACKINGS—Packing, compounded to resist damaging effects of hot caustic solutions, is for reciprocating pumps and similar equipment. It is self lubricating to assure low friction on piston rods and prevent leaks. For tight-sealing service on centrifugal pumps handling caustic solutions, packing made of lubricated braided asbestos has been produced. Both packings available in a wide range of sizes. **Quaker Rubber Corp, Tacony and Comly St, Philadelphia 24, Pa.**

E10 PAINT-SPRAY GUN — *Micro-Spray* paint-spray gun gives fine atomization to produce a smooth high gloss finish. Simplicity of design cuts cleaning time. Entire head can be quickly removed as a unit by merely removing locking screw and locknut. Only one fluid needle is required for all paint spraying. Spring-loaded, self-adjusting packing at fluid-needle and air-valve stems eliminate leakage and need for adjustment. Fluid-needle assembly can be removed in one piece in a few seconds. A



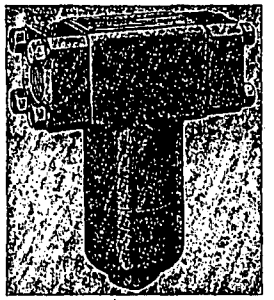
built-in lever gives quick, fingertip control of desired air volume, according to setting marked on gun body. **Kellogg Div, American Brake Shoe Co, 97 Humboldt St, Rochester 9, N. Y.**

E11 PAINT SCRAPER—*Red-Devil* paint scraper has blade of cemented carbide. Blade is held in rustproof scraper handle with a set-screw. Four working edges of the blade, plus four individually shaped corners that fit into practically any corner or molding, give the scraper a wide range of uses. Blade can be sharpened on any fine-grained silicon-carbide wheel or stone. **Red Devil Tools, Irvington, N. J.**

E12 RUST PREVENTATIVE—Develops from application of flexible, nonporous rust preventative to metal surfaces. *Rustproof* is applied cold by dipping, spraying or brushing and dries in 15 min. It can be removed with any petroleum solvent. Available in packages from one to 55 gallons. **Kano Laboratories, 75 E Wacker Drive, Chicago 1, Ill.**

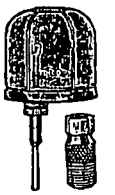
LUBRICATION

C2 PROPORTIONAL OIL FILTER—Filter uses cartridge that removes particles in sizes down to two microns. Reversible filtering action meets closed-circuit re-



quirements. Filter has no moving parts, maintenance being reduced to cartridge replacement. **Vickers, Inc, 1596 Oakman Blvd, Detroit 32, Mich.**

C1 LIQUID FILTER—When filtering lube oil, capacity of Size 1S is 2½ gpm at 3 psi pressure drop when oil is 200-ssu viscosity. Liquid filter uses either bag or absorbent-type material and either style will not affect or remove additives that may be in oil, manufacturer states. **W W Nugent Co, 410 N Hermitage Ave, Chicago 22, Ill.**



G4 OILER—Unbreakable oiler is designed for places where space is limited. Feed spout arranged to the side instead of dead center, thus requiring as little as ¾-in. clearance. Specially designed rod rides on rotating shaft, and slightest movement causes oil to flow from bottle. Also as bearing heats thermal action forces oil to bearing at greater rate. **Trico Fuse Co, 2948 N 5th St, Milwaukee, Wis. 12.** *See photo above.*

G3 BOTTLE OILER — Especially made for tight quarters, flat-sided shallow-bodied oiler can be installed in half space usually needed for bottle oilers. **Lunkenheimer Co, Cincinnati, Ohio.**

MECHANICAL TRANSMISSION, MATERIALS HANDLING

H134 PLATE MAGNETS — Permanent magnetic separators remove tramp iron from materials traveling down chutes or through ducts. They protect grinders, crushers, stokers, or pulverizers susceptible to damage by iron. Magnets are a series of "C" shaped Alnico magnets with poles fastened to steel plates and mounted on an aluminum plate. A section of the chute's bottom is cut out and the magnet installed in its place, which is hinged so that it can swing away for removal of collected iron. Steel pole plates projecting up from magnet's face provide edges that help mechanically to arrest and hold the iron. Standard units are available in a range of sizes 4 to 72 in. wide in increments of 2 in. **Dings Magnetic Separator, 4740 W McGeogh Ave., Milwaukee, Wis.**

H135 MAGNET-PULLEY SEPARATORS —Self-contained horizontal and inclined magnetic pulley separators have alnico magnetic pulley, idler pulley, endless belt and drive. These units automatically remove tramp iron from coal, plastics, ore, grain, etc, where either protection of machinery or purification of product is desired. They are installed at the discharge of chutes, hoppers and conveyor belts or they can be fed by hand or by materials-handling devices. Standard models have belts of any desired length in widths ranging from 12 to 60 in. and pulley diameters from 12 to 30 in. standard. **Dings Magnetic Separator Co, 4740 W McGeogh Ave, Milwaukee 14, Wis.**

