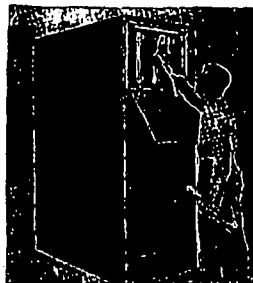


attract the armature. However it draws core into field at a rate controlled by the silicone viscosity. When core reaches pole piece the relay responds, providing delayed response. On large overloads relay operation is instantaneous.

Helmemann Electric Co, 371 Plum St. Trenton 2, N. J.



High-Voltage Fuse Box

234 • Gang-operated disconnect method de-energizes fuses on high-voltage motor control. Safe compartment uses a movable panel on which current-limiting fuses are gang-mounted. Fuse panel has disconnecting blades behind the panel.

When fuse compartment door is opened, fuse panel is automatically pulled to the front of the compartment, disconnecting panel from line and putting fuses within easy reach. Operator can then safely and readily remove or replace fuses without a hook stick.

Electric Machinery Mfg Co, Minneapolis 13, Minn.

Boiler Feed Pump Motor

504 • New boiler feed pump motor for power generating stations is available in ratings 1000 hp and larger. It features improved ventilation system, cubical design, special high-speed rotor, and quieter operation.

Ventilation system discharges heated air away from workers and other nearby motors. Air is drawn in from motor's sides and expelled at higher level from shaft end over couplings and feed pump.

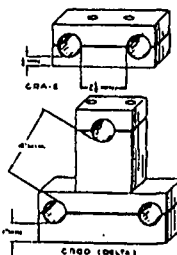
General Electric Co, Schenectady 5, N. Y.

Fractional Hp Motor

335 • New EMC Model 710 motor is series wound and can be furnished either ac or dc, with voltage range of 6, 12, 24, 32 to 115.

Model is rated from 1/30 to 1/15 hp—case is totally enclosed type and will stand water submersion and a wide range of temperature changes.

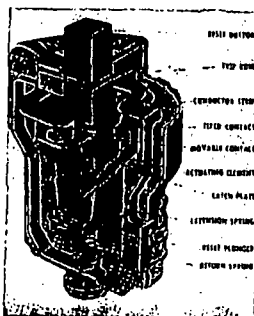
Howard Industries, Inc, Electric Motor Corp Div, Racine, Wis.



Cable Racks

251 • Phenolic insulating cable racks are divided into two groups: 300 v and under, or 300 v. Standard racks have maximum size holes possible to maintain required clearances. Mounting bolt holes take standard size bolts.

Adales Mfg Co, 14300 Lorain Ave, Cleveland 11, Ohio.



Miniature Circuit Breaker

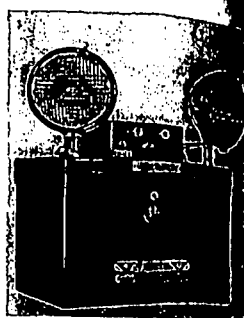
221 • Mini-breaker permanent type protective device fits into any standard Edison base fuseholder delivering up to 125-v ac. It requires no additional equipment and no special wiring when applied to branch or main circuits with 15, 20 or 30-amp ratings. Can be installed in a matter of seconds; electrical service is restored simply by pressing in and releasing the reset button. Device is listed as a circuit protector by Underwriters Laboratories, Inc.

Mechanical Products Inc, 1824 River St, Jackson, Mich.

Fluorescent Ballast

159 • Lead-lag aluminum ballast combines series economy and size with lead-lag performance and dependability. Ballast is available in 38-, 58-, and 75-watt two-lamp sizes. A 25% reduction in wattage losses now puts lead-lag in the series-ballast class for operating economy.

Westinghouse Electric Corp, Box 2099, Pittsburgh 30, Pa.



Emergency Lighting Unit

302 • In case of power failure this unit will automatically provide illumination to carry on operations.

Unit is powered by a storage battery built into the portable set. Trickle charger automatically maintains the charge of the battery. Unit simply plugs into any ac circuit. The lights are sealed beam of 100 candle power and will provide 10 hours of light.

General Scientific Equipment Co, 2700 W Huntingdon St, Philadelphia 32, Pa.

Jet-Cooled Bushing

825 • New jet-cooled terminal bushing for hydrogen-cooled steam turbine-generators increases current capacity to conventional bushings nearly 4 to 1 while maintaining a compact, mechanically sturdy conductor and bushing design, manufacturer claims.

The terminal conductor is a hollow copper stud, divided into inlet and outlet passages by a vertical partition. A jet of hydrogen is forced from the generator pressure chamber at high velocity, and directed through a hole in top of the bushing. It travels through the passages in direct contact with conductor copper and exhausts into the generator fan suction region through radial opening in the bushing cap.

Manufacturer's tests indicate that with jet cooling a 45000-amp bushing can safely carry 17,500 amps with hydrogen pressure at 30 psig. At 0.5 psig hydrogen, the bushing will carry over 10,000 amps.

Allis-Chalmers Mfg Co, General Machinery Div, Milwaukee 1, Wis.

Industrial Batteries

201 • Slide-Types, type COE batteries are available in two- and three-cell construction. They are light-weight with transparent polystyrene containers, and charge indicators. Two-cell units are made in both end-to-end and side-to-side assemblies, three-cell batteries in side-to-side construction. Capacities at the 8-hr rate range from 10 to 30 ampere-hours.

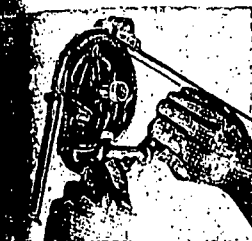
Electric Storage Battery Co, Box 8109, Philadelphia 1, Pa.

MAINTENANCE MATERIALS, SUPPLIES AND EQUIPMENT

Pipe Insulation

Made of fibrous glass bonded with a connecting binder, this insulation is preformed in easy-to-apply hemispherical segments that fit all standard pipe and tubing sizes. A vapor barrier, composed of laminations of asphalted kraft paper and aluminum foil adhered to the glass insulation with a bituminous adhesive, provides condensation control on lines passing through warmer temperatures.

Corning Fiberglas Corp, Toledo 4, Ohio



Universal Tube Bender

1325 • New universal tube bender, No. 370-F, will bend any type of tubing including hard drawn copper and hard tempered steel it is claimed. Bender is of gear type and is very compact. It can be positioned at any point where bend is desired even when one end of tube is connected. Unit can make right or left bends, return bends, offset and right angle bends.

Imperial Brass Mfg Co, 1200 W Harrison St, Chicago 7, Ill.

Tube Solder

959 • Manufactured in the form of a metallic tape; this 40/60 tin-lead solder contains a resin flux. A single package is capable of 100 connections. Waste is eliminated, and no soldering iron or tools are needed. Soldering connection can be made with a single match or candle.

The Monks Oil Co, Solder Div, 444 Woodward Ave, Brooklyn, N. Y.

Self-Forming Packing

1236 • Available in 1/2 and 2 1/2 lb spools, this self-forming, self-lubricating and leak-proof packing comes in handy rope style and forms itself into a seal of the exact size and shape of the stuffing box or fitting it is placed in.

Fluoropak Co, Packing Div, 3677 Filbert St, Philadelphia 4, Pa.

Generator-Motor Cleaner

322 • New solvent cleans electric motors and generators while they are still assembled. Equipment can be cleaned two ways: (1) A motor can be completely submerged in cleaner, then plugged into electric current and allowed to run from 3 to 5 min. Motor is then dried with compressed air. (2) Cleaner may be sprayed into intake side of a motor, while it is in operation.

The Shaler Co, Waupun, Wis.

Plastic Floor Compound

212 • Swift-floor plastic floor resurfacing compound has new cohesive agent to produce a harder yet more resilient floor surface. Irregularly shaped crystals of Cryptolite pack together to form a hard, non-slip surface that can be used one minute after application, manufacturer claims.

The Monroe Co, Inc, 10703 Quebec Ave, Cleveland 6, Ohio.



Chain Puller

828 • Operates as a two-way or three-way puller and comes equipped with 3 ft, 3720 lb proof test 1/2-in. chain with a grab hook on one end. Self centering hooks with screw adjustment permit a straight, even pull without cocking. Unit makes easy pulling of pulleys, fly wheels, etc.

Owatonna Tool Co, 378 Cedar St, Owatonna, Minn.

Protective Plastic Coating

909 • Ricwille coatings protect equipment against corrosive conditions with a tough, impervious film, resistant to acids and alkalis, salt water, rust and weathering.

Two types available: (1) Ricwille 1060 Phenolic Resin Coating, a heat hardening type baked at 350 to 400 F. (2) Ricwille 7100 Phenolic Resin Coating, a cold setting type cured by addition of catalyst just prior to application.

Ricwille Plastic Coating & Mfg Corp, 129 Euclid Ave, Cleveland 15, Ohio.

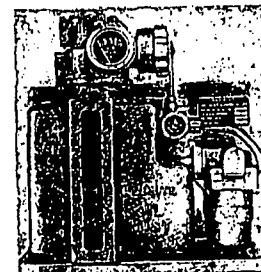


of New Equipment

Drafting Templates

739 • Engravograph cuts templates of often-repeated elements to the individual draftsman's needs. Master design is reproduced by pantograph, duplicating the original on transparent plastic. Cutter can be shaped so image has beveled edges conforming to angle of the pencil point.

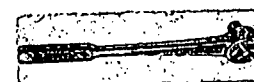
New Hermes Engraving Machine Corp, 13-19 University Place, New York 3, N. Y.



Oil-Air Lubricator

1002 • Oil-Mist lubricators have on-gallon oil reservoir and built-in automatic warning switches. Operator is signaled by horn and red light or machine shut off if oil level becomes too low. Warning units with 12-oz. reservoir are also available.

Stow-Warner Corp, 1826 Diversey Pkwy, Chicago 14, Ill.



Reversible Ratchet

1222 • New reversible ratchet, No. S-52, is an addition to 1/4 in. square drive Super-sprocket line. Slender, well balanced Super-ratchet has durable concentric-type mechanism of 82 tooth action giving small increments of action. Location of shifter gives quick reverse action and one-hand operation.

J H Williams & Co, 400 Vulcan St, Buffalo 7, N. Y.

Wrap-Around Insulation

505 • Pipe insulation is adaptable to hot and cold pipes of all sizes. Known as Aerowrap, new product is flexible and easy to apply on fittings, valves and pipes.

The insulation is a fine fibered blanket.