

available in two models with maximum torque capacity of 4000 lb-in. and 6000 lb-in., respectively. Fen Machine Co., 1350 Babbitt Road, Dept 70, Encinitas, Ohio.

V3 ELECTRIC DRILL—Light-weight *Hi-Power* Model No. 77 portable electric drill features grip handle with trigger control switch and air-cooled universal a-c motor. Portable Electric Tools, Inc., 255-259 W 79th St, Chicago, 20, Ill.

V4 AIR HAMMER—130 utility jackhammer, air-operated drill, is for general plant maintenance work. Suitable for drilling anchor bolt holes, chipping and scaling, roughing broken concrete for patching and drilling holes for pipe lines. Ingarsoll-Rand Co., 11 Broadway, New York.

V5 DRAFTING TOOL—Round-cornered, pocket-sized draftsmans template carries all commonly used symbols—circle, hexagon, delta and square. Rapidesign, Inc., P. O. Box 892, Glendale, Calif.

V6 KEY SEATING TOOL—Keyway cutter consists of rack-tooth-driven spindle which carries cutting tool and mounts in lathe. Straight or taper holes can be key seated to the bottom by drilling a small hole through the wall for the cutter to end into. Device can also be used as boring bar and for drilling in lathe work. McNaughton & Co., 608 Sevier Ave., Knoxville, Tenn.

V7 HOIST JACK—Combination hoist and jack designed to move or lift heavy loads. Unit uses ratchets and pawl construction and has safety handle that binds on overloads. Coffing Hoist Co., Danville, Ill.

V8 TACHOMETER—Hand-held electric tachometer weighs three pounds and gives accurate and direct readings of linear speeds from 10 to 10,000 fpm and rotational speeds from 100 to 10,000 rpm. Instrument cannot be damaged by overspeeding and can measure clockwise and counter-clockwise rotation. General Electric Co., Schenectady, 5, N. Y.

V9 FLOW RULE—Unit is specially designed 12-in. slide rule for figuring orifice plate bores, flow nozzles or venturi throats, and also the rate of flow or differential pressure created across the orifice plate or other primary device. Book Dept., Foxboro Co., Mass.

V10 WIRE PLIERS—Combination wire stripper and wire cutter covers wide range of wire sizes from No. 10 to 22. Shock proof colored plastic handle gives its name *AMP Yellow Jacket*, and unit incorporates built-in wire cutter, serrated plier jaws and handy size stud gage. Aircraft Marine Products, Inc., 1416 N Fourth St, Harrisburg, Pa.

V11 SOLDER HOLDER—*Solder-Mate* attachment feeds solder at touch of finger tip. Apparatus clamps to any standard electric soldering iron. Nelpin Mfg. Co., 45-17 Davis St, Long Island City, N. Y.

V12 MICROMETER GAGE—Adjustable forged-steel arms, moved with direct reading micrometer screw, allow measurement of main bearing journals without removing crankshaft from motor. Tubular Micrometer Co., St James, Minn.

V13 BELT CUTTER—No. 300 *Aligner* wide belt cutter makes it easy to cut belts up to 60-in. wide and 1½ in. thick. Flexible Steel Lacing Co., Chicago, 44, Ill.

V14 HEAVY DUTY JACK—Blackhawk hydraulic jacks combine load and speed pump in one unit. Other features include recessed safety-release valve, overall closed construction and carrying handle. Blackhawk Mfg Co., Milwaukee, Wis.

V15 METALLIZING GUN—*Megalelectric* gun powered by 1/20-hp constant-speed induction motor, assuring uniform wire speed. By use of different gear combinations, almost any spraying need can be obtained with metals used in the industry. Metallizing Co. of America, 1350 W Congress St, Chicago, 7, Ill.

V16 IMPACT WRENCH—*Speed-O-Matic* electric torqueless impact nut setter will not twist in operator's hands when nut goes tight. Device drives nut or bolt at 1750 rpm at free speed. At resistance point impact unit automatically delivers 8000 impact blows per min. Illinois Cage Co., 7810 W Addison St, Chicago, 34, Ill.

V17 TUBE CUTTER—Capewell tube cutter operates by hand pressure and automatically adjusts itself for ¼ to 4.000 tubing. Cutting wheels make complete cut by rotating tool just slightly beyond a 180 deg arc. Capewell Mfg Co., 624 Filbert St, Philadelphia, Pa.

V18 PIPE WRENCH—*Red-E-Bain* wrench designed to reach inaccessible fittings. Made from high-strength alloy steel forgings, griplock teeth are machined and case hardened. Eccentric, instantly reversible jaw automatically grips round, square or hexagon parts. American Pipe & Tool Co., 2nd & Buttonwood Sts., Reading, Pa.

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AIR CONDITIONING, HEATING AND VENTILATING

1 AIR-CONDITIONING SYSTEMS—1. *Prick Co.* Waynesboro, Pa., 11-page bulletin No. 806-C gives principles of air conditioning most generally used for human comfort. This bulletin shows special applications for each principle. 2-page booklet describes various community refrigeration centers.

All literature designated with a star (★) may be obtained only by writing direct to the manufacturer on company letterhead, giving writer's name and title.

★ **AIR DIFFUSERS**—W. B. Connor Corp., 114 E 32nd St, New York 18, N. Y., 11-page bulletin No. K-20 gives all the information and data necessary for proper selection of air diffusers. It presents full catalog data on the several diffuser models and accessories.

2 DUST AND FUME ELIMINATORS—Schmig Industries Inc., 390 Piquette Ave, Detroit 2, Mich., 12-page folder describes Schmieg Conit-Merger swirl type dust and fume eliminator. Photos and diagrams are included.

3 UNIT HEATERS—McQuay, Inc., 1600 Broadway N.E., Minneapolis 13, Minn., 4-page bulletin No. 121 describes construction of McQuay horizontal unit heaters. Bulletin No. 346 discusses McQuay blower unit heaters. 3-page bulletin No. 115 covers McQuay down-flow unit heaters. Capacities and dimensions are given in each bulletin.

4 CENTRIFUGAL BLOWERS AND EXHAUSTERS—Air Appliance Div., U. S. Hoffman Machine Corp., 155 4th Ave, New York 2, N. Y., 12-page booklet No. A-450 describes many applications of Hoffman blowers and exhausters that require air pressure from one to eight psi and vacuum from two to 1½ in. of mercury.

5 STEAM COILS—American Blower Corp., Detroit 22, Mich., 28-page bulletin No. B-1218 covers Type H steam coils for industrial and process heating.

6 STEAM HUMIDIFIERS—Armstrong Machine Works, Three Rivers, Mich., 18-page bulletin No. 177 explains need for humidification and how to achieve it.

7 FANS—Westinghouse Electric Corp., East Pittsburgh, Pa., 8-page booklet covers performance of new line of axial fans for high temperature applications. Characteristics and special advantages of each type listed.

8 STEAM JET HEATER—Schutte & Koerting Co., 13th & Thompson Sts., Philadelphia 22, Pa., 24-page catalog No. 2A describes various steam jet heaters and sparger nozzles, together with general information on their construction and operation.

9 CENTRAL HEATING—Rie-will Co., Cleveland, Ohio, 12-page folder covers a number of Pittsburgh's institutions that have central heating. Photos and diagrams are included.

10 UNIT HEATERS—C. A. Dunham Co., 450 E Ohio St, Chicago 11, Ill., Bulletin presents Dunham floor, wall and ceiling unit heaters. They supply fresh or recirculated air, heated and distributed evenly throughout the area.

11 UNIT HEATER—L. J. Wing Mfg Co., 164 W 14th St, New York 11, N. Y., Single page announces the new Wing turbine revolving unit heater. In this heater the fan is driven by a compact all-steel steam turbine.

12 HIGH-TEMPERATURE HEATING—American Hydrotherm Corp., 115 E 17th St, New York 18, N. Y., 12-page folder presents typical Hydrotherm high-temperature heating installations for infrared heat distribution. Photos show heating installations for various industries.

13 BLAST COILS—D. J. Murray Mfg Co., Wausau, Wis., Catalog contains a detailed description of the one-piece, high-temperature cast-iron construction of the "Rn" heating sections, a feature of Grid blast coils. Listed are classifications of industries that are now using Grid blast coils.

14 ZONED HEATING SYSTEMS—Webster Tailmadge & Co., East Orange, N. J., 4-page booklet covers Tailmadge zoned heating systems for small homes as well as for large skyscrapers. A list of installations is given.

15 COOLING TOWERS—Water Cooling Div., Brierley Mfg Co., 3128 Carroll Ave, Chicago 12, Ill., 4-page bulletin No. 15 describes recent design changes that have been made to increase ease of assembly, step up operating efficiency and improve appearance of Brierley Type BK-5 induced draft cooling tower. 4-page bulletin No. 37 covers Type 2K-W induced-draft cooling tower.

16 CORROSION—E. F. Drew & Co., 15 East 11th St, New York 4, N. Y., 9-page technical bulletin with illustrations discusses corrosion, scale and algae problems found in air conditioning systems and their control.

BELTING, PULLEYS, SHAFTING

20 ROLLER BEARINGS—Link-Belt Co., 341 N Michigan Ave, Chicago 11, Ill., "DB" radial-thrust, self-contained preadjusted roller bearings are the subject of 18-page illustrated booklet No. 3190. Booklet contains table of dimensions, weights, bearing capacities at given rpm, shaft fit tolerances, etc.

21 MECHANICAL TRANSMISSION—T. B. Wood's Sons Co., Chambersburg, Pa., 14-page brochure describes and illustrates manufacturing facilities of company in field of mechanical power transmission.

22 LEATHER BELTING—J. D. Rhoads & Sons, 35 N 5th St, Philadelphia 6, Pa., 14-page handbook contains engineering data for design and installation of Rhoads Tannate-Rockwood drives.

23 V-BELT DRIVE—American Gear & Mfg Co., 5800 Ogden Ave, Chicago 50, Ill., 18-page bulletin No. 205 shows all necessary dimensions and costs to enable you to apply White-Line standard sheaves to your product or specific power-transmission problem.

24 V-BELTS—Mechanical Goods Div., U. S. Rubber Co., 1320 Avenue of the Americas, New York 20, N. Y., V-belt catalog covers comparison tables, selection data, and other detailed information on V-belts.

25 DRIVE AND PINS—Tool Steel Gear & Pinion Co., Cincinnati 18, Ohio, 4-page bulletin No. 947 presents

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