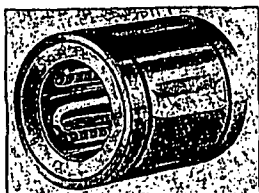
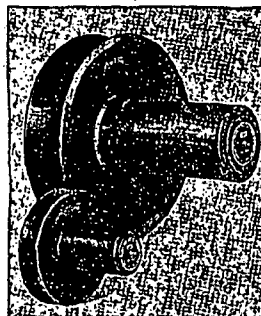


H126 BALL BEARING—Unlimited travel ball bearing is for linear or reciprocating motion. Self-contained unit has three parts in addition to balls. These parts include

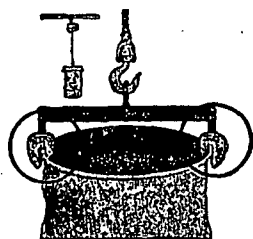


sleeve, pressed-steel ball retainer and pair of rings pressed on sleeve ends to position and secure ball container. Thomson Industries, Inc. 1029 Plandome Road, Manhasset, N. Y.

H133 V-BELT SHEAVES—Variable-pitch sheaves have double rack and pinion to keep movement of sheave faces equally spaced at all times. Single spring provides necessary pressure for proper belt tension. Constant belt centerline maintained to allow use of V-groove driven sheave. Gerbing Mfg Corp. 154 E Erie Street, Chicago, Illinois.

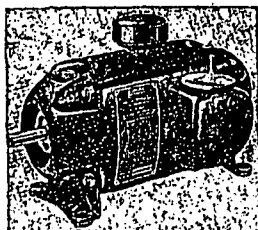


H131 TWIN BARREL LIFTER—Device consists of crossbar to span standard steel barrel's width. Center of crossbar has a

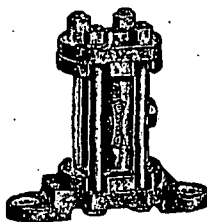


ring to which hoist hook or other lifting media are attached. The heavier the load the tighter the clamps grip the barrel top, but barrels can be detached instantaneously when released. Merrill Brothers, 56-02 Arnold Ave, Maspeth, N. Y.

H19 HYDRAULIC TRANSMISSION—Variable-speed unit, for fractional-horsepower machinery drives, has smooth and stepless speed adjustment from zero to maximum output in either direction of rotation. Transmission rated 1-hp continuous duty, and automatic overload protection prevents the driven machine from being damaged if stalled. Vickers, Inc. 1596 Oakman Blvd, Detroit 32, Mich.



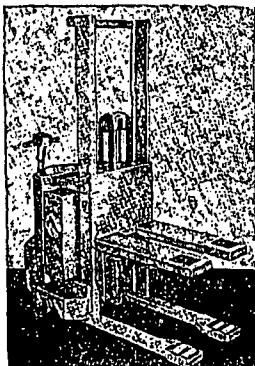
H132 VERTICAL VIBRATOR—Air-operated vertical mount vibrator has moving parts chromium plated against wear and base is designed for solid contact against equipment on which unit is mounted. Unit



vibrates walls of bins holding granular material to prevent arching and can also be used to fatigue-test finished products before they are shipped. Cleveland Vibrator Co. 2828 Clinton Ave, West, Cleveland, Ohio.

H137 MATERIAL STACKER—Jack-stacker is designed for both movement and stacking of materials on skid platforms, pallets or in sectional bins, particularly where aisles are narrow, areas congested, or where floor or elevator capacities prohibit using fork trucks or heavy equipment. It is available in capacities up to 4000 lb in four models. The electrohydraulic lifting and lowering and gear-drive traction unit are battery powered through series-wound electric motors. All controls, two speeds for

ward and reverse, raising and lowering, horn button and key switch, are mounted in the steering-handle head. Therefore lifting carriage can be raised or lowered when truck is in motion without moving away from the handle. Safety brake applies automatically when handle triggers are not held down. Drive unit assembly can be changed in 20 min. Lewis-Shepard Products, 285 Walnut St, Watertown 72, Mass.



H128 LIGHTWEIGHT PULLER—Midget pulper lifts or pulls 500 lb, but weighs only 6 1/4 lb including chain, which has 2000-lb tensile yield and its snap hook. 3000-lb



To insure against overloading, operating lever bends at 800-lb chain load. Coffin Hoist Co, Danville, Ill.

S23 REGULATING VALVE—Air Warden automatic pressure-regulating valve is for use on initial or primary air pressures up to 150 psi, and can be set to maintain reduced pressures ranging from 125 to 5 psi. Valve has built-in fine-mesh bronze strainer, instrument-type control knob for pressure adjusting, nylon valve seat, textile reinforced synthetic rubber diaphragm, and built-in pressure gage. Produced in two models: Model RD-1 for 1/2-in. piping, and

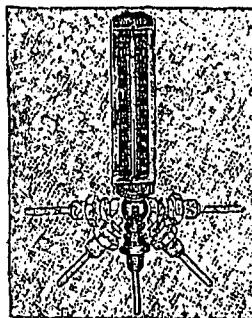
RD-2 for 1-in. connections. Hannifin Corp. 1101 S Kilbourn Ave, Chicago 24, Ill.

H138 VERTICAL GEARMOTOR—Consisting of a complete high-speed vertical motor, a self-contained drive and speed-reducing unit, these self-contained gearmotors are available in 3 to 50 hp, 220, 440 or 550 v, 3 phase, ac, and 3 to 7 1/2 hp, 115 or 230 v, dc. They may be equipped with almost any standard motor, including open protected, semi or totally enclosed, and explosion proof. Design of gear case is such that all gears and bearings receive positive lubrication at all operating speeds. Unit has single helical gears and pinions designed for maximum strength and low impact stress and wear. Westinghouse Electric Corp. P O Box 868, Pittsburgh 30, Pa.

H139 ADJUSTABLE TROUGHING IDLER—Troughing idler outer-inclined pulleys are adjustable from slightly above the horizontal up to an angle of 25 deg. All idler pulleys are in same vertical plane and adjustment of outer pulleys is made to maintain a constant gap between ends of horizontal and inclined pulleys. This gap is kept to a minimum to prevent creasing or pinching the belt. Idler is for use on conveyors where inclined belt changes to a horizontal path, and at the feed and discharge ends of belt conveyors to allow the belt to be troughed or flattened gradually. This reduces strain on the belt by eliminating abrupt distortion of it when entering or leaving idlers. Koppers Co, Pittsburgh 19, Pa.

METERS AND INSTRUMENTS

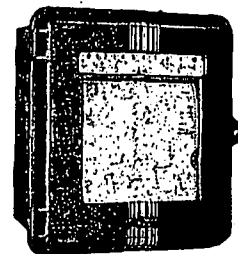
K1 THERMOMETER—Industrial thermometer provides the proper angle of vision. Any required angle, front to back, left to right, through 180 deg, can be quickly made by a simple adjustment. A flexible metal capillary within a specially



designed ball connection permits adjustment of stem or case to desired position. Can be supplied in three regular case sizes: 7, 9 and 12 in. The cases are V-shape designs with 2-piece bronze case and glass protecting bezel. Webster Thermometer Corp. 52 W Houston St, New York 12.

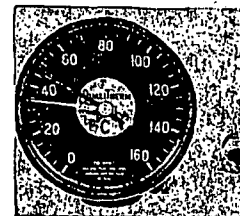
K29 DIAL THERMOMETER—Princeton dial thermometer permits adjustment of both dial and pointer to any point within a full 360 deg while instrument is in service. Thermometer contains bimetallic sensitive unit. Available in 11 standard scales, covering a total range of -100 to 850 F, or the equivalent in Centigrade. Has an accuracy of 1% of range at any point of indication. Available with stainless-steel stems in four standard lengths, 4, 6, 9 and 12 in. long. Separable sockets can be furnished in standard metals. Precision Thermometer & Instrument Co. 1401 Brandywine St, Philadelphia 30, Pa.

K25 OXYGEN RECORDER—Micromax oxygen recorder checks on boiler combustion efficiency and serves as a guide for regulating excess air in furnaces such as glass tanks, cement kilns, and open-hearth furnaces. Instrument operates on thermal conductivity principle. Oxygen analysis is by the hydrogen-difference method, which



consists of adding hydrogen to gas sample, removing oxygen by combustion, and electrically comparing conductivity of sample before and after oxygen is consumed. Instrument is available with a round or strip-chart recorder. Leeds & Northrup Co. 4934 Stenton Ave, Philadelphia 44, Pa.

K26 LEVEL INDICATOR—Magnetic type instrument for liquid-level indication consists of two separate independently replaceable assemblies, each oil-tight and weatherproof, so that it is impossible for fluid to reach or affect the scale. Outer assembly includes the calibrated dial and indicating needle, which is directly mounted on a shaft carrying a permanent magnet. The body is a sealed unit enclosing another magnet directly coupled through a shaft to float arm. Any motion of float arm rotates body magnet, which in turn displaces outer magnet and indicating needle. Instrument can be furnished with contact for low-level alarm. Westinghouse Electric Corp. P O Box 868, Pittsburgh 30, Pa.



K27 TEMPERATURE INDICATOR—Accuracy in reading under the worst conditions is assured by the visual contrast of this new transformer temperature indicator. The scale is uniform over its entire range. An oil-type mounting bulb permits removal and installation of the unit without changing oil level or disconnecting transformer. A red maximum temperature indicating band is reset by wiping a small magnet over face of cover glass, which has a weatherproof construction to prevent fogging. This magnet is secured on a light chain to prevent loss. The instrument can be furnished with an alarm contact for indication whenever a predetermined temperature is reached. Westinghouse Electric Corp. P O Box 868, Pittsburgh 30, Pa.

K28 RADIATION PYROMETER—Pyro radiation pyrometer is designed to give quick and accurate readings of temperatures above 1000 F by thermal-electric principles. Instrument is completely self-contained, weighs less than 2 lb, is direct reading and requires no outside connections, lead wires, batteries, or other accessories. It is only necessary to sight the instrument at object being measured and read the temperature on a direct-reading scale. Pyrometer Instrument Co. 103 Lafayette St, New York, N. Y.

K30 COMPRESSION TESTER—Instrument, simple to use, is designed for quick maintenance, repair and rebuilding work

