More EQUIPMENT NEWS

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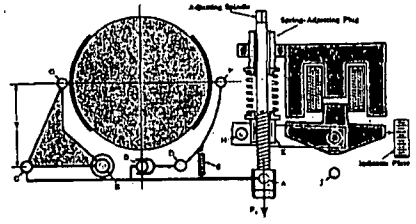


New ac Brake Combines Three Adjustments

1202 • Single-adjustment ac brake (Type AK), completely redesigned, combines what were formerly three separate adjustments: (1) spring compression—to control torque (2) magnet travel—to control total shoe clearance from wheel (3) auxiliary screw adjustment—to equalize shoe clearances. Also, a visible indicator tells maintenance crew when and how much to readjust brake for wear.

New brake is applicable to practically all ac motor installations that demand start-stop operation or quick deceleration. Although designed for normal horizontal mounting, it will operate satisfactorily regardless of angle of mounting plane.

Operation is comparatively simple and derives its effectiveness from a unique linkage system. Brake arms pivot on fixed pins *D* and *E*, while lever *ABC* is pivoted to solid arm *CEC* at point *C* and is connected to arm *FDB* at point *B* by a pin riding in a slot. Because of the geometry of the system, force *F*, presses the shoes against the wheel with equal pressures.

Any misalignment of the wheel center to right or left of vertical center line of brake causes linkage to pivot about point *A*, but will not change effect of force *F*, on the shoes.

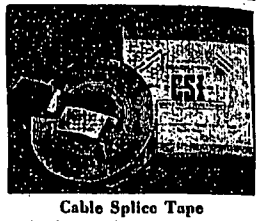
With magnet de-energized, adjustment of spindle raises or lowers moving part of magnet. If spindle is turned counter-clockwise until moving part rests on retarding bar *J*, any additional turning raises point *A* and frees shoes from wheel for maintenance.

With magnet energized so that trunnion pin *K* is stationary, turning the adjusting spindle increases or decreases amount of shoe clearance. Vibrational turning is prevented by two spring clips.

Maximum impact area results from use of short-stroke clapper-type magnet. Tension spring *S* prevents backlash caused by wear and reversal of thrust in various joints of the linkage. Additional information available from manufacturer.

Westinghouse Electric Corp, Box 2099, Pittsburgh 30, Pennsylvania

CHECK THESE TOO!...

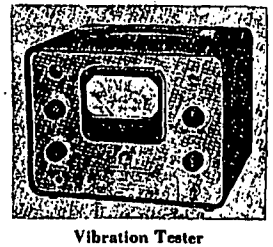


Cable Splice Tape

1216 • Introduced to communications field several years ago, *CSI* cable splice rubber tape is now available to utility, power and industrial fields. New tape is reported completely water proof, resistant to corrosion, impervious to copper. Dielectric strength is 19,000 v. Extreme cohesive properties permit lengthwise application of tape by pinching. Tensile strength is over 19 lb per in. width. Material is supplied foil wrapped in individual packages in standard ¾ and 2 in. 15-ft rolls. Special sizes available to order. Descriptive bulletin and actual samples available from manufacturer.

CSI Sales Co, Solon Center Bldg, Solon, Ohio

For more data on these items, use post cards p 167. Identify your request with item number.



Vibration Tester

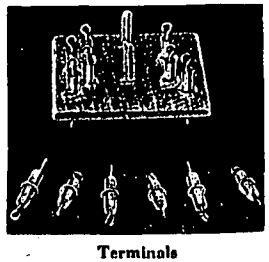
1225 • New, portable vibration meter, *Type 1-117*, can be used with a hand-held velocity pickup as a probe for tracking down unusual or excessive vibrations. This eliminates the necessity for tearing down entire machine to locate particular source of trouble, manufacturer claims. Unit weighs only 25 lb and can be used wherever standard 115-v, 50/60/400 cycle power is available. Further details available from manufacturer.

CEC Instruments, Inc, Pasadena 15, California

Isolation Bases

1235 • New mounting bases, designed and built to individual requirements, cut down disturbing and often destructive effects of vibrations transmitted to floors and walls from large fans and compressors. Mounting units, held between steel members running full length of machine, carry weight and match vibration characteristics of installation. Descriptive bulletin covering design and performance details is available on request to manufacturer.

Barry Corp, 85 Pleasant St, Watertown, Massachusetts



Terminals

1217 • Service at 2000-v RMS without corona—up to 7000-v RMS without flash or tracking—and dimensional stability at temperatures from minus 148 F to plus 300 F are features of new terminals employing insulation injection-molded from "Kel-F" polymer. Chemical inertness, zero water absorption and non-stick properties of the plastic remove any environmental restrictions on use by preventing accumulation of deposits, growth of fungus. Freedom from plasticizers precludes corrosion of conduc-

(*Continued on page 174*)