

LOVEJOY L-R FLEXIBLE COUPLINGS

GFG
Job-Fitted

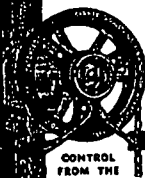
The cushion material in the type "A" coupling is one of 4 standard types developed to take up shock, dampen vibration, and correct misalignment. Specialists can be had for unusual applications. With the wide range of Lovejoy types, fitted with the right cushion material for your particular application, we can provide you with the coupling you need.

WRITE TODAY FOR LOVEJOY CATALOG AND SELECTION CHARTS TO AID IN YOUR SELECTION.



LOVEJOY FLEXIBLE COUPLING CO.
Div. of Loveland Variable Speed Transmission Co.
5070 W. Lake Street, Chicago 44, Illinois

Makes
ALL
VALVES
INSTANTLY
Accessible



Instant, handy, safe control of overhead and other out-of-reach valves. Eliminate danger to employees; banish the stepladder. Now—install valves anywhere they should be, regardless of accessibility.

Inexpensive BABBITT Sprocket Rims fit all types and makes of valves, with either rising or non-rising stems. Installed quickly by clamping directly onto head wheel of valve. Eliminates makeshift apparatus and specially-made chain wheels.

The standard design takes care of all valves from 1 to 24 inches in diameter.

Babbitt
Adjustable
Sprocket Rim
with Chain Guide

BABBITT STEAM SPECIALTY COMPANY
A Division of the Babcock & Wilcox Company
New Britain, Conn., U.S.A.

ALLPAX the PACKING that never sticks...



ALLPAX is the packing that does the packing job right. You can use it advantageously on hot or cold liquids or gases and be assured of a leak-tight, scoring-free service which will save you time and money in maintenance. Because of its field of application, ALLPAX is a universal packing.

ALLPAX never sticks because it is compounded in such a way as to prevent it. Thin flakes of anti-friction metal and tiny scales of graphite are imbedded all through long, tough fibres of asbestos. To this is added a special non-liquid, heat-proof lubricant. Shafts and rods rotate or slide smoothly without scoring or sticking.

ALLPAX is available in various diameters for a wide range of stuffing box sizes and is easily cut to exact length required and slipped into place without waste. Available also in loose form for general service.

A trial of ALLPAX will quickly convince you that ALLPAX is the packing for your packing jobs. Your nearest distributor can supply you.

THE ALLPAX COMPANY, INC.
Mamaroneck, N. Y.

strict sales manager. Bruce Heller is new Economy distributor for western Michigan with headquarters at Grand Rapids.

Walter Geist has been elected to his second term as president of Allis-Chalmers Mfg. Co. All directors and officers were re-elected at the annual meeting. J. C. Arms has been promoted to consulting engineer at Pittsburgh works.

Leeds & Northrup Co., Philadelphia, announces retirement of Felix Wunsch, veteran of engineering staff and inventor of numerous circuits widely used in electrical measuring instruments, after nearly 40 years with the company. Paul V. Ray, since 1919 shop engineer, has retired after nearly 46 years of service with the company.

Charles H. Johnson has been appointed manager of marine dept. of Combustion Engine Co., New York City. G. H. Kuehnle has been made assistant manager of export div.

Thomas C. Wilson, Inc., Long Island City, N. Y., has appointed five new sales representatives covering western Texas, N. M. and Ariz., Iowa and eastern Neb., S. C. and western N. C., eastern Tenn. and lower peninsula territory in Mich. The new representatives are: (1) Steel & Engg. Products, 311 Mills Bldg., El Paso, Texas; (2) Industrial Machinery and Supply Co., 1006 Douglas St., Omaha 8, Neb.; (3) Plibrico Sales and Service Co., Box 1084, Charlotte, N.C.; (4) Lelner Engg. Co., 412 E. 5th Ave., Knoxville, Tenn.; (5) Kiger Supply Co., 2842 W. Grand Blvd., Detroit, Mich.

Thermoid Co. has elected Carl Brodbeck a vice-president.

Charles W. Mackett has been appointed manager of sales operations for Babbitt Rubber Div., Hawitt-Robins, Inc., Buffalo, N. Y. In his new position he will direct all home office sales of the div.

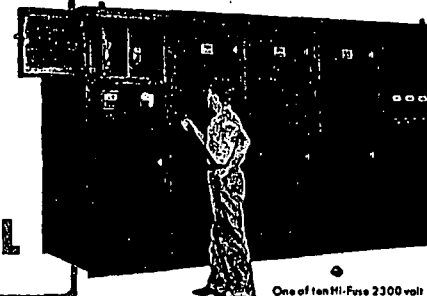
George J. Hartnett, general superintendent of Barborton, Ohio plant of Babcock & Wilcox Co., has retired after 35 years of service with the company. Cecil H. Gier becomes works manager in charge of Barborton works and of Rust St. plant of Alliance.

Babcock & Wilcox Tube Co., New York, N. Y., has elected Luke E. Sawyer chief vice-president and a director. He takes over management duties following recent death of Peter D. White, former president. Paul J. Utzner has been named works manager in charge of manufacturing at Beaver Falls, Pa., and Alliance plant. Alfred Iddles, president of Babcock & Wilcox Co., the parent company, also has been elected president of the tube firm. Babcock & Wilcox Tube Co. has appointed Industrial Supplies, Ltd., 744 Hastings West, Vancouver, as its exclusive sales agent in British Columbia, Canada.

West Penn Power Co., Pittsburgh, has appointed H. D. Fenton mechanical engineer. D. H. Johnson, central div. manager with headquarters at Charlotte, will be elected at his own request as of August 1, having reached retirement age. J. V. Schmitt

CHECK-REIN for high-stepping HORSE POWER WITH E-M

"HI-FUSE" CONTROL



One of ten Hi-Fuse 2300-volt group assemblies, totaling thirty-nine panels for controlling sixteen induction motors and twenty-three synchronous motors at a southern paper mill.

HIGH-STEPPING horse power in today's industrial plants needs tight-reined control.

You can harness this rampant high-voltage with E-M "Hi-Fuse" Control for motors from 2300 to 4600 volts.

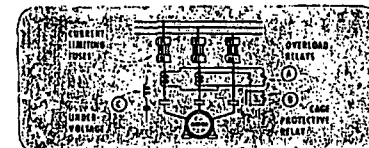
Horse-and-buggy day practice was to provide no short circuit protection. This was followed with a large, expensive, high-interrupting capacity switch. Contrast that with the new E-M "Hi-Fuse" Control system using the elements shown in the diagram at the right. "Hi-Fuse" does a thorough job of protecting and controlling your high voltage motors... "Hi-Fuse" costs you less. In every way, it's a better buy!

"Hi-Fuse" gives you these advantages:

SHORT CIRCUIT PROTECTION—current limiting type high interrupting capacity power fuses (up to 250,000 kva) cut off the short circuit current in a fraction of a cycle. Quick action saves motor and control from damage.

MOTOR PROTECTION—the current limiting fuses provide a means of disconnecting the motor from the line, as shown in the photo above. As the oil switch is not required to furnish short circuit protection, a smaller, less expensive switch is adequate. Coordinated with this switch and the fuses are overload and out-of-step relays to protect the motor from sustained overload, locked rotor, single phasing, under voltage, or too frequent starting.

POLARIZED FIELD FREQUENCY STARTING—in synchronous motors this "almost human" relay assures the highest synchronizing torque and minimum current in-rushing during starting. The Polarized Field Frequency system of starting was developed by E-M and for many years has been accepted as the best method of controlling the application and removal of field excitation of synchronous motors.



● Simplified Connection diagram shows elements of protection provided for the motor in "Hi-Fuse" Control.

ELECTRIC MACHINERY MFG. COMPANY
MINNEAPOLIS 13, MINNESOTA

3100-TPA-2073

E-M

Specialists in
BIG MOTOR ENGINEERING