

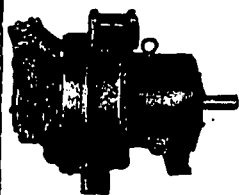
For
QUALITY

Specify

PLYE-NATIONAL

Turbines

1/4 to 120 h.p.



The Pyle-National line of highly efficient impulse type turbines is ideal for dependable mechanical drive of small machinery such as pumps, fans, blowers, stokers, abrasive wheels, agitators, and generators particularly where the exhaust steam can be used for heating and other purposes.

Since 1897 Pyle-National has manufactured their turbines entirely within their own plant... thus assuring positive control of quality and workmanship through all stages of production... from raw material to the final testing.

SEND NOW FOR BULLETINS containing complete information on these small and medium capacity turbines.

TURBO-GENERATORS

Also available is bulletin on Pyle-National turbo-generators (500 to 15000 watts).

**THE
PLYE-NATIONAL
COMPANY**
1387 N. KOSTNER AVE. • CHICAGO 31
District Offices and Representatives in Principal
Cities of the United States
FLOODLIGHTS • PYLE CONDUIT FITTINGS



APPOINTMENTS



Matthew M. Lawler

Corporation Executive Changes

Chain Belt Co. of Milwaukee: J. C. Morwin, from president to chairman of the board; L. B. McKnight from executive vice-president to president. Raybestos-Manhattan, Inc.: J. H. Matthews, from vice-president to executive vice-president. Revere Copper & Brass, Inc.: James M. Kennedy, from president to chairman of the board; C. A. Macfie, from general sales manager to president. Canadian Nickel Co., Ltd.: Ralph D. Parker, from vice-president and a director to president.

Operations Executive Changes

Worthington Corp.: Matthew M. Lawler, from asst. vice-president and manager to vice-president in charge of Air Conditioning and Refrigeration Division. Borg-Warner Corp.: D. E. Gamble, chairman of the supervisory board of the Borg & Beck Division; T. L. Knecht, from vice-president and general manager to president of the division succeeding Gamble; George W. Borg, from chairman of the supervisory board to chairman of the executive committee of the division, T. J. Ault, from vice-president and purchasing agent of Warner Gear to general manager of Detroit Gear Division.

Bechtel Corp.: A. J. Orselli, from manager of construction for the eastern division to vice-president of the power division. Clark Bros. Co.: Robert J. Spears, district manager for the New York office succeeding Robert R. McCartney, now Eastern Division manager and director of export operations. American District Steam Co., Inc.: James C. Kinner, vice-president in charge of engineering.

Engineer Changes

Westinghouse Electric Corp.: Robert C. Check, from asst. division sales manager to asst. manager of enrg for Electronics Division, a newly-created post. Trane Co.: Chester D. Ware, heat transfer specialist in product development; Henry Hurwitz, spe-

PUMPS

Types, Selection, Installation,
Operation and Maintenance
Just Published! 2nd Ed.

A complete and practical treatment of pumps and pumping problems. Diagrams, limitations... give details on installation, operation, and maintaining them at peak efficiency. All important types are covered, including: reciprocating, turbine, centrifugal, vertical, and rotary pumps. Important types, like deep-well, submersible, sewage and sludge, and sanitary pumps are treated in separate chapters. Illustrated. By Frank A. Kirtzel, Lieut. Prof. Engr., and P. A. Annett, Contributing Editor. POWER, Second Edition, 279 pp., 417 illus., \$4.50

**WATER TREATMENT
and PURIFICATION**

A practical guide to the processes and apparatus for treating and purifying water. Gives you the working knowledge to deal with any problem relating to water requirements. Covers sedimentation tanks, coagulation basins, chemical feeding devices, filtration plants, softening apparatus, etc. Deals with the purification process in textile, brewing, distilling, paper making, ice and food industries. By W. H. Ryan. Second Edition, 279 pp., 60 illus., \$4.50

**INSTRUMENT and
CONTROL MANUAL
for Operating Engineers**

Finger-tip information on the construction and operation of all types of industrial controllers, and control systems. Designed for the men in the plant... describe the most modern instruments and methods of controlling liquid levels, pressure, temperature, speed, and flow. Includes many diagrams with concise explanations of various alarms, and enables you to maintain your control knowledge up to date. By Eugene W. P. Pater. Operating Engr., 426 pp., 484 illus., \$7.50

**HANDBOOK
OF RIGGING**

Condensed into this one book are all the methods and techniques essential to more effective practices in industrial and construction operations. Deals with everyday maintenance operations—with the transportation and handling of heavy machinery—with the erection and demolition of smaller steel structures. Covers everything from ropes, hoisting chains and hooks, to slings and ladders. By W. E. Donaghy. Safety Engr., 321 pp., over 100 illus., \$6.50

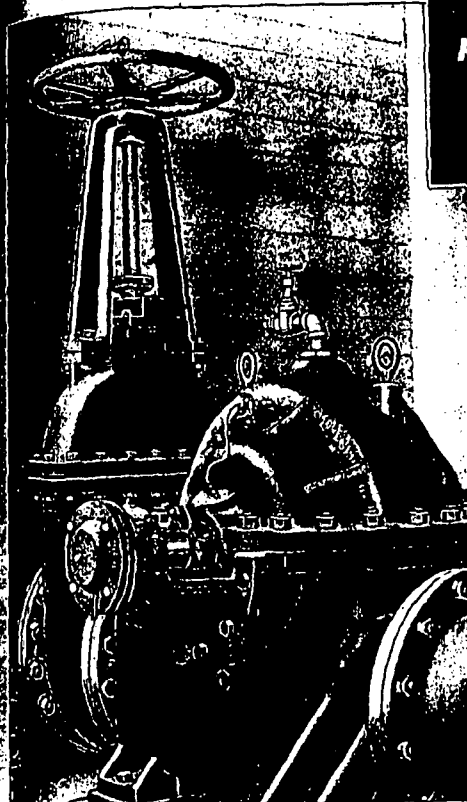
READ THESE BOOKS 10 DAYS FREE

1. Buffalo-Hill Book Co., 220 W. 42 St., NYC 36
2. Send me book(s) checked below by 10 days' satisfaction or approval. If 10 days I will return the book(s) I have, with a few cents for delivery, and return shipping book(s) postage. (We pay for delivery if you return with this coupon; same rate privilege.)
3. ☐ Kirtzel & Annett—PUMPS—\$4.50
4. ☐ Ryan—WATER TREATMENT—\$4.50
5. ☐ Pater—INST. & CONT. MANUAL—\$7.50
6. ☐ Donaghy—BOOK OF RIGGING—\$6.50 (100)
Name _____
Address _____
City _____ State _____
Country _____
Postbox _____
Fill out and mail to U. S. only



Tips on Better Pumping

**The cheapest
pump is the one
that lives up
to expectations**



"Buffalo" Type SL Double Section Pump.
For Engineering data, write for Bulletin 955.

BUFFALO PUMPS, INC.

488 BROADWAY

BUFFALO, N. Y.

Subsidiary of Buffalo Forge Company

Canada Pumps, Ltd., Kitchener, Ont. Sales Representatives in all Principal Cities

A BETTER CENTRIFUGAL PUMP FOR EVERY LIQUID

