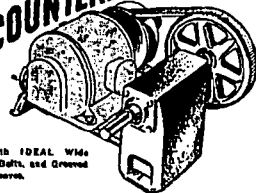


Complete VARIABLE SPEED IDEAL DRIVE COUNTERSHAFT UNIT



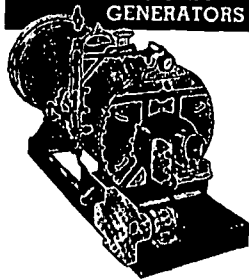
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died late in Nov. at Victoria, B. C. He was one of the best-known astronomers in Canada.

Herbert A. Wagner, 80, former president and chairman of board of directors of Consolidated Gas Electric Light & Power Co., Baltimore, Md., died on Dec. 5 at Memorial Hospital in Baltimore. He had retired as chairman in 1943. He was president from 1915 to 1942.

Lynn Gillespie, 87, a retired mechanical engineer, died at his home in West Beach, N. Y., recently. Before he retired, Gillespie served as a stationary engineer at Lackawanna plant of Bethlehem Steel Co.

Preston S. Arkwright Jr., 44, president of Georgia Power Co., died unexpectedly at Georgetown University Hospital, Wash., on Nov. 6.

J. H. Walker, 58, vice-president of the Edison Co., died at his home in Birmingham, Mich., on Dec. 1 after a severe illness.

Ernest William Rudd, 64, a senior engineer at North American Cyclotron plant in Niagara Falls, Ont., died recently at his home there following a brief illness. In the Nov. issue it was erroneously stated that he was a member of the Society of Engineers' Institute of Ontario. There is no such organization. Rudd was a member of the Institute of Power Engineers.

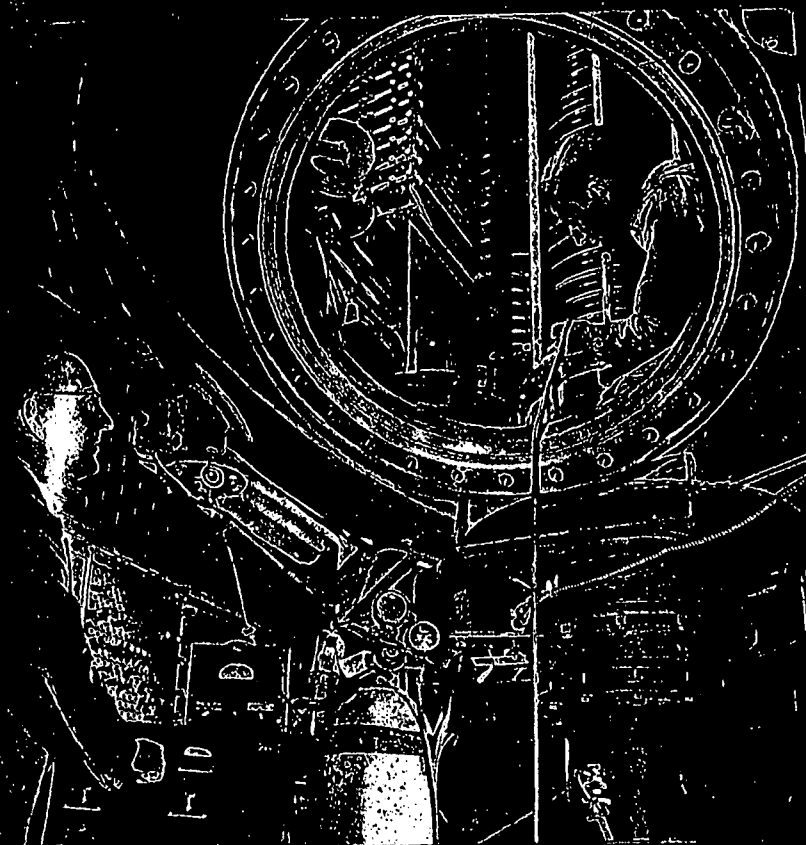
James F. Lincoln, a welding foundation trustee, has announced the award of its \$200,000 design-for-progress program. The 467 awards range from \$100 to \$15,200 for the year 1948.

First main award of \$15,200 was given to Paul F. Hachenbach, chief engineer, Clarence C. Mast, shop superintendent, and Douglas W. Hamilton, welding inspector—all of aeromatic propeller dept., Kearsarge Co., Baltimore, Md., for their co-authored paper entered in the aircraft classification. Their paper describes how the design of a variable pitch propeller for light planes overcame problems presented by low-cost manufacture and strength requirements to withstand repeated loads of thrust torque, centrifugal pull and gyroscopic action. The second main award of \$10,700 was awarded to Klier E. Dumbauld, design engineer, Bureau of Bridges of Ohio State Highway Dept., for his paper in structural building and bridges classification. His subject was the redesign to welded construction of three of Ohio's bridges. The third main award of \$8,200 went to G. J. Storatz, engineer in charge, Heil Co., Milwaukee. His paper, entered in industry machinery classification, described redesign to welded construction of the company's Trailblazer.

An addition to the No. 3 drum shop of Babcock & Wilcox Co. was completed. This is part of previously announced expansion program. The addition, 275x100 ft., brings total length of shop to about 600 ft. The result is a substantially expanded shop for fabrication of drums.

POWER

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IN THIS ISSUE: A proposal for standardizing industrial turbines to reduce cost and speed delivery, p. 73; design analysis of Philadelphia's new Southwark Station, p. 64; how

a refinery solved the problem of 100% make-up at 1350 psi, 900 F by advanced water treatment and installation of dual-circulation boiler, p. 84. TABLE OF CONTENTS, p. 59