

GET EXTRA LONG LIFE

...Economical operation from
Frederick Centrifugal Pump

6" Double
Suction
1175 GPM
65 Ft. Head
1700 RPM
Steam
Turbine
Drive

Twenty-nine years ago, Frederick Iron & Steel manufactured its first centrifugal pump... a 6" Double Suction Volute type. Delivered in July, 1919, this pump is still in operation today at the Dominion Coal Co. in Sydney, Nova Scotia. Minor repair parts over the 29-year period have been furnished promptly by Frederick.

Today, Frederick Iron & Steel is manufacturing a complete line of single and double suction, single and multi-stage centrifugal pumps with the same long-lasting quality built into its first unit. When you buy Frederick pumps you're assured of continuous, economical operation from extra long life.

We have among our designs just the centrifugal pump you're looking for. Drop a line to the address below and we'll gladly send you an attractive, illustrated "file-size" brochure on our pumps as well as the name of our factory representative nearest you. Ask for Bulletin 104.

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ESTABLISHED 1890
IRON AND STEEL, INC.

Dept. P-4 Frederick, Md.

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WE READ WATER

Power Engineers Meet in St. Paul

National Association of Power Engineers held its 55th annual convention and power show at the Municipal Auditorium, St. Paul, Minn., Aug. 23 to 27. Attending were about 209 delegates, over 1500 visitors and 500 manufacturers' representatives.

First session, called to order by Glen E. Copeland, general chairman of the convention committee, featured addresses by Luther W. Youngdahl, governor of Minnesota, Joseph P. Flynn, national president NAPE, Edward K. Delaney, mayor of St. Paul, and Clifton R. Harding, national vice-president, NAPE. Morning sessions covered the usual association business reports while afternoons and evenings were devoted to educational features.



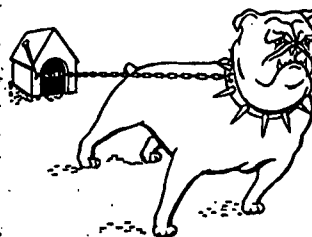
CLIFTON R. HARDING
President NAPE

At the final business meeting, Clifton R. Harding, master mechanic, power plant, Portsmouth Naval Ship Yard, Portsmouth, N. H., and member of Lowell, Mass., Chapter 17, was elected president for the year 1948-49.

Mr. Harding was national vice-president last year and is a past president of Lowell Chapter and New England States Association, NAPE. He was national trustee for four years, and is a present member of the board of directors.

Newly elected Vice-President Glen E. Copeland is plant superintendent of the State Capitol building, St. Paul, Minn. Joining the NAPE in 1924, Glen has filled every office in St. Paul Chapter 7, as well as being a past state president. For the past five years he has been editor of the Minnesota State Association's *Power Engineer's Annual*. As national director for two years he also served on the publication committee. Another of his present jobs is that of state director of the NAPE Competency Plan. He was general chairman of this year's convention and power show.

Officers reelected for another year are: secretary, A. F. Thompson, Chicago, Ill. and treasurer, Harry J. Harp, Philadelphia, Pa. Next year it will be held in Chicago.

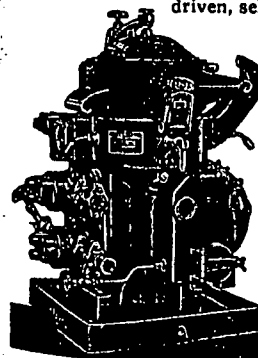


The "Uni-Matic" Oil Purifier is like a WATCHDOG

A DE LAVAL Oil Purifier is always mechanically alert for trouble. Operating on continuous by-pass, it keeps the turbine lubricating oil clean and free from impurities and moisture which normally get into the system. These impurities and water tend to form sludge, so that the Purifier literally helps to prevent sludge formation. Equally important in an emergency is the fact that if an unexpected major water leak develops, the De Laval Purifier can continuously dehydrate the oil and thus prevent serious damage to the turbine.

The "Uni-Matic", the type of De Laval Oil Purifier most generally used, provides a complete oil purification plant, compact and fully enclosed. It includes pumps, gages, and all necessary accessories for keeping oil in the best possible condition. The machine is direct motor driven, self-lubricated, and ball-bearing equipped. The bowl in which purification takes place by centrifugal force is self-draining and of the "constant efficiency" type.

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