

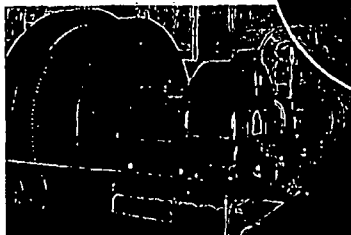
Skinner "UNIVERSAL UNAFLOW"

Steam Engines

VERTICAL TYPE



HORIZONTAL TYPE



WHAT THEY ARE

The Skinner "Universal Unaflow" Steam Engine is the outstanding reciprocating prime mover of this era, made by the largest exclusive manufacturer of steam engines in America. The performance of thousands of "Universal Unaflow" engines, in almost every type of industry and institution, daily demonstrates the truth of our claim—that they are "the most economical steam engines built."

"Universal Unaflow" engines are correctly designed for simplicity, dependability, heavy duty service, flexibility, and permanently maintained economy. They are available in sizes ranging from 75 to 2,250 horsepower, and in horizontal or multi-cylinder vertical types.

WHAT THEY DO

Skinner "Universal Unaflow" Steam Engines are built for direct connection, coupling, or belt drive, to electric generators, compressors, blowers, pumps, line shafts, or other load.

Over 2000 power users, in industries and institutions, have found it more economical to generate their own power with "Universal Unaflow" engines than to purchase power from the local utility, or to generate power with other prime movers.

Exhaust steam is available to be utilized for heating, for laundry, for processing techniques, and many other purposes, further adding to the savings enjoyed through use of "Universal Unaflow" engines.

Skinner "Universal Unaflow" engines are frequently bought under our Guaranteed Saving Contract, payments being made out of proved savings after the engine is in service. Write for detailed information of the advantages of Skinner "Universal Unaflow" engines in your industry.

For Over 80 Years, Doing One Thing Well—Building Steam Engines.
SKINNER ENGINE COMPANY, ERIE, PA.

of this div. Dr William I Thompson head engineering section of the technical group. Other personnel to form a new group have been drawn from engineering dept of Ferguson Co, Indianapolis, J T Wells, until recently a group leader in technical div of Clinton Laboratories Oak Ridge, Tenn.

Harry C Williams has been appointed general sales manager of H K Ferguson Co.

OBITUARIES

Maurice M Sellers, who retired July 1941, after 38 years of service at Springfield plant of Elliott Co, died in St. Petersburg, Fla. on July 6.

George W Dolan, 46, chairman of board of directors of Mathieson Chemical Co (formerly Mathieson Alkali Works) died in New York City on July 24 after a long illness.

Albert C Bladholm, 43, president of Steel Products, Inc. of Chicago, died on July 6.

John E Lawson, 67, president and director of Canadian Niagara Power Co, died at his home in Niagara Falls, Ont. on July 23.

Michael J Lenzhan, 72, a retired electrical engineer, died at his home in East N. Y. on July 24.

William F Robbins, plant engineer of Graton & Knight Co, Worcester, Mass., died in that city on June 13.

Wesley Milton Colter, 65, retired electrical engineer for Pennsylvania Electric Co, Erie, Pa. died June 17 in his home in Erie. He had been associated with the firm for 27 years before retiring in 1935.

Samuel P MacFadden, 53, executive vice president of Puget Sound Power & Light Co from 1942 to 1946 and consultant to that company since 1946, died May 22 in Seattle, Wash.

Wilbert C Snow, 61, assistant general manager of Seattle, Wash. City Light Dept. for past five years, died May 20.

William A Schmid, 59, stationary engineer with Great Atlantic & Pacific Tea Co in Buffalo for many years, died May 11.

Frank A Woodworth, 71, a stationary engineer for Agate Ice Cream Co, Buffalo, N. Y. for 18 years, died on June 1.

James A Conley, 59, a stationary engineer for Buffalo Board of Education for many years, died July 5.

William J Dunnham, 66, formerly chief engineer of John Dady Co, Weymouth, Mass. died on July 15 at Stoneham, Mass.

Harry Diamond, 48, chief of electrical div of National Bureau of Standards, died suddenly at his Washington, D. C. home on June 21.

David W Bright, 48, superintendent of Union Electric Company's generating station at Venice, Ill. died on June 16.

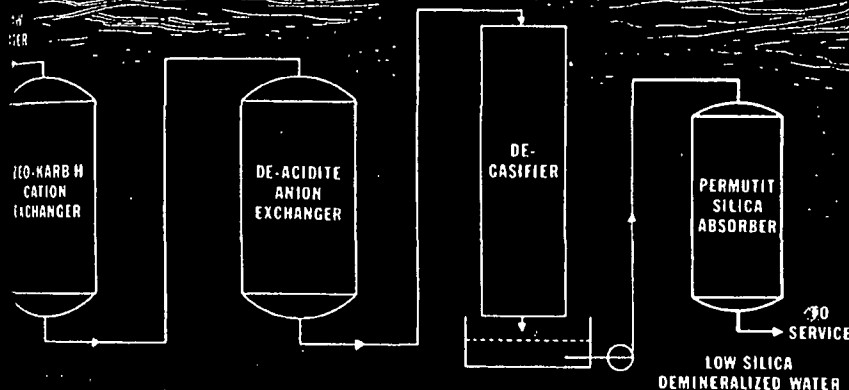
John A. Russell, 59, a former president and treasurer of the National Assn of Power Engineers.

Jay Russell Cobb, 59, veteran electrical engineer of New York State Electric & Gas Corp, died at his home in Buffalo July 19 after a long illness.

Here's water that's

MINERAL FREE

SILICA FREE



This new Permutit chemical process produces the equivalent of evaporated make-up water at tremendous savings. Permutit has added to its ionic demineralizing plant this one-step cold process silica removal unit. The result: **low silica (less than 0.5 ppm) demineralized water!**

This two-step demineralizing process utilizes Zeo-Karb H, Permutit's acid-regenerated cation exchanger, to replace metallic cations with hydrogen-ions. Thus,

salts present in the solution are converted into corresponding acids. These acids are then removed from solution by De-Acidite, Permutit's resin anion exchanger.

For full details on this Permutit process, and on other Permutit products for power plants, write to The Permutit Company, Dept. P-9, 330 West 42nd Street, New York 18, New York, or to the Permutit Company of Canada, Ltd., Montreal.

PERMUTIT PRODUCTS FOR POWER PLANTS
Decenters and Open Heaters • Supplementary Chemical Feeding Equipment • Sludge Blanket • Lime-Soda Softeners • Continuous Blowoff • Demineralization Combined with • Silica Removal • Silica Removal by Hot or Cold • Precipitation Processes • Zeo-Karb—Hydrogen • Ranarex Mechanical CO₂ Indicators and Recorders

FOR 35 YEARS
Permutit
WATER CONDITIONING HEADQUARTERS