

look to

direct-fired heaters for industry to help

INCREASE EFFICIENCY and PROFIT

brings comfort to workers . . . reduces absenteeism

Uneven temperatures cause discomfort, sickness, disgruntled workers, lower efficiency, reduced work output and especially absenteeism.

Winter and summer, you can depend on Lee completely engineered heaters to efficiently keep your plant at even-temperatures with balanced air. Avoid drafty, turbulent air carrying dirt and dust, causing work spoilage, damaged products and the high cost of lost man-hours.

MODEL VTN

MODEL TVE

MODEL UD

MODEL BVT

a direct service of LEE

Lee Corporation maintains complete engineering service in all major branches of engineering:

- ELECTRICAL • MECHANICAL • POWER HOUSE
- STRUCTURAL • BOILER ROOM • DESIGN
- HEATING AND VENTILATING

SPECIFY LEE the completely engineered heater

LEE CORPORATION
(HEATERS SINCE 1910)

1011 TATNALL STREET, WILMINGTON, DELAWARE
Baltimore, Md. Chicago, Ill. New York, N. Y.

Representatives in all principal cities

More APPOINTMENTS

Houses and Buildings, Bureau of Control, New York City, has opened consulting engineering offices at 34 Park New York 38, N. Y. He will specialize in air pollution control, combustion, and refuse burning plants.

Societies, Schools, Foundations

L. F. Hickernell, chief engineer, American Wire & Cable Co., Hastings-on-Hudson, N. Y. has been elected a member of the board of directors of the American Institute of Electrical Engineers. He will assume the duties of director on January 1, 1955. He has been a member of the Institute since 1928. He was formerly dean of the School of Engineering, Pratt Institute, Brooklyn, and appointed assistant secretary of the American Society of Civil Engineers in 1948.

The appointment of J. H. Frankel, chief project engineer for Walter K. Nuclear Laboratories was announced. F. T. Marla, Head of the Civil Engineering Department of Carnegie Institute of Technology, has been elected president of the Pittsburgh section of the American Society of Civil Engineers. In 1954, Harry C. Davis, general manager, Kewanee Mfg. Co., has been elected president of the Conveyor Equipment Manufacturers Assoc.

At the annual meeting of the Engine Manufacturers Assoc. in New York the following officers were elected for 1955: President, A. W. McKinney, executive vice president of The National Supply Co. of Pittsburgh; vice-president, Walter Rentchler, vice president of Baldwin Hamilton Corp.; vice-president, William E. Datta, president of Enterprise Engine Machinery Co. of San Francisco; treasurer, Robert H. Morse, Jr., president of Fairbanks Morse & Co., and as secretary and executive director, Harvey T. Hill of Chicago.

A British firm has been awarded a contract to furnish two transformers for a City Light substation at Seattle. The English Electric Exports & Trading Co. Ltd., not only bid low at \$691,620 but bid was firm while four American firms specified escalation clauses of 20% to protect themselves against increases in labor and material costs. Low American bid was the Pennsylvania Transformer Co. \$815,920. The English firm, a subsidiary of the English Electric Co. of Stafford, England, will not be able to deliver the transformers until April of 1955, approximately six months later than City Light had specified, but the later delivery is reported to be acceptable to the city. The transformers will step down voltage from City Light generating plants on the Skagit River. English Electric is low bidder on another Pacific Northwest power equipment contract calling for four generators for the Corps of Engineers' Chief Joseph Dam on the Columbia River. Its figure is \$4,000,493 as compared to the \$4,966,363 bid by the Westinghouse Electric Corp., currently engaged in building the first four generators for the dam, second largest in the U.S.

AUTOMATIC PROPORTIONER

BEG YOUR PARDON!

Through an error the captions beneath the sodium and hydrogen zeolite softeners were transposed when this advertisement appeared in January Power. They are corrected here.

SODIUM ZEOLITE SOFTENER

HYDROGEN ZEOLITE SOFTENER

DEGASITOR

POST TREATMENT

This Elgin "Split Stream DeAlkalizing" System

Eliminates Boiler Scale, Corrosion, and Excess Alkalinity At Taylor Oil and Gas Company

Taylor Oil and Gas Company, Corpus Christi, Texas is one more in a long list of well known firms that have selected Elgin Water Conditioning for their exacting requirements.

With the system graphically illustrated above, blended effluents from sodium and hydrogen zeolite water softeners, followed by degasification, give zero soft water in which total solids and alkalinity is reduced and CO₂ is removed. Boiler water alkalinity is kept in proper proportion to total dissolved solids. The dissolved solids have been reduced 34.5%. (On waters of higher alkalinity, a greater reduction is obtained.) Blowdown is reduced approximately 35%. Think how much this alone saves. Costly destruction resulting from return line corrosion is prevented. And as an extra dividend, post-treatment costs are cut to a minimum.

A Complete Line To Meet Your Specific Needs

This is but one of our many water conditioning systems. We make all types, ranging from the outstanding "Double-Check" zeolite water softener which gives up to 44% more soft water, to the Ultra-Deflonizer which produces water of the highest known chemical purity.

Write for details or let us put our nearest representative in touch with you.

Representatives in Principal Cities

ELGIN SOFTENER CORPORATION • 130 North Grove Avenue, Elgin, Illinois

In Canada: G. F. Sterne & Sons, Ltd., Brantford, Ontario

THIS CHART TELLS THE STORY

WATER CONSTITUENTS	RAW WATER Gr/Gal	TREATED WATER Gr/Gal
Carbonate (Alkalinity)	4.98	0.73
Sulfate	3.15	3.15
Chloride	4.08	4.08
Calcium	3.04	0.03
Magnesium	0.42	0.02
Sodium	3.66	4.68
Total Dissolved Solids	19.30	12.69
Reduction in Dissolved Solids		34.5%

Why Not Obtain Comparable Improvement in Your Boiler and Process Water?

