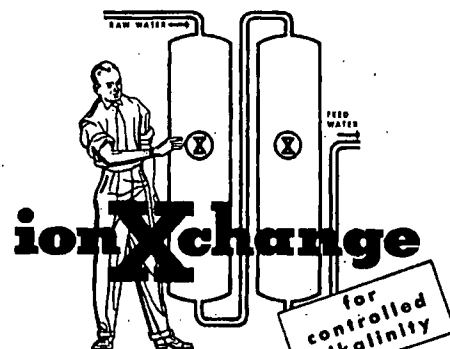


Control Boiler Feed Water by



Here's why industrial plants, more and more, are changing to ILLCO-WAY IonXchange treated water for boiler make-up:

- 1 To prevent deposits on evaporative surfaces.
- 2 To control alkalinity.
- 3 To reduce the possibility of carry-over.
- 4 To reduce boiler blowdown.
- 5 To keep shutdowns for turblining and cleaning at a minimum.
- 6 To secure reduced-solids water at a cost comparable to softening.

ILLCO-WAY DE-ALKALIZING EQUIPMENT assures accurate control of boiler feed waters. It removes all excessive bicarbonates and converts the remaining sulphate and chloride solids to non-scale forming salts.

On the very common high bicarbonate water, ILLCO-WAY De-Alkalizing equipment produces a feed water low in dissolved solids and free of all scale-forming properties. Controls are provided to maintain desired alkalinity.

For further information on the application of ILLCO-WAY synthetic resin technology and design developments on boiler feed water treatment, write for latest literature today.

ILLINOIS WATER TREATMENT COMPANY
553-4 Cedar Street, Rockford, Illinois • 7310-NN4 Empire State Bldg., New York City



WATER TREATING EQUIPMENT

ENGINEERING AND EQUIPMENT DE-IONIZERS for process water treatment and waste treatment; redamation of specific constituents, DE-ALKALIZERS, Boiler feed (external), SOFTENERS

180 (260b)

34 FLUORESCENT LAMP BALLASTS—Apparatus Dept., General Electric Co., Schenectady, N. Y. 31-page bulletin No. G-14-1450 discusses various ballasts for fluorescent lamps. Photos, diagrams and tables are included.

35 IMPROVED LIGHTING—Farnco Pressed Steel Corp., Port Huron, Mich. 6-page folder No. L-11-118-431 gives typical examples of lighting such as are required to light work areas.

36 SELENIUM RECTIFIERS—Selenia Div., Radio Receptor Co., 131 W. 11th St., New York 11, N. Y. 8-page bulletin describes selenium rectifiers for low currents having range of voltage and requirements. This bulletin lists electrical characteristics and dimensions.

37 OILING DEVICES FOR RECIROCATING—Wm. W. Nugent & Co., 410 N. Dearborn Ave., Chicago 18, Ill. 35-page bulletin No. 13 discusses the design of oiling devices for reciprocating and rotating bearings. Applications of these oiling devices are given.

38 STAINLESS STEEL—Alloy Steel Wire Co., Moore Station, Prospect Park, Pa. 35-page handbook provides data for comparing stainless steel characteristics, uses, and mechanical, physical, electrical, magnetic, heat-resisting and corrosion-resisting properties of stainless steel.

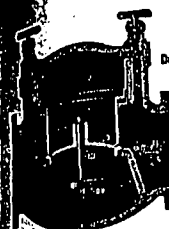
39 INSULATION AND GROUND RESISTANCE TESTING—Associated Research, Inc., 121 S. Green St., Chicago 1, Ill. Catalog contains technical information and engineering data on insulation and ground resistance testing, and insulation breakdown testing. Other instruments shown are ohmmeters, ammeters, soil resistivity meters, limits bridges, transformers and tachometers.

40 TENSILE STRENGTH TESTER—Thwing-Albert Instrument Co., Penn. 18-page booklet No. P-171 describes Thwing-Albert electro-hydraulic tensile strength tester. Among the material included is a brief historical background, breakdown of instrument in component parts, diagrams and pictures, models and ranges available, operational details, accessory items, etc.

41 WELDING COPPER—Revere Copper and Brass Inc., 30 Park Ave., New York 17, N. Y. Book, entitled "Techniques in Welding Copper," presents welding techniques and shop practices consistent with the metallurgical theory. Book is illustrated with drawings and charts.

Michigan Gas Storage Co. has applied to Federal Power Commission for authority to install a compressor station on Panhandle Eastern Pipe Line Co.'s north line near Flint, Mich., to increase deliveries of gas into the former company's storage fields. This method of increasing deliveries is presented as a substitute for construction of a line from Freedom Junction, Mich., to the storage fields. Such a line was authorized by FPC on Dec. 4, 1946. Pipe for construction of this new line cannot be obtained before spring of 1949, Michigan Gas Storage stated. Michigan Gas Storage plans use of this substitute method of delivery only until the authorized line can be completed. Following completion of the new line the compressor station will be salvaged or moved to other locations as required. Construction of the new compressor station will be completed and in operation by May 1 of this year.

Hagan Corp. purchased assets of Ring-Balance Instrument Co. Potential of the new plant at Orrville, Ohio, where Ring-Balance Instruments are now in production, is "at least five times greater than that of the old plant," in Chicago, according to D. J. Erikson, vice-president in charge of sales for Hagan Corp.



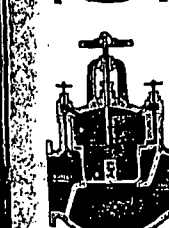
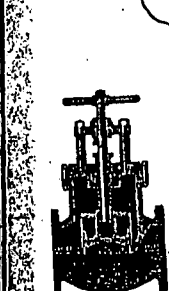
Standard Double Cushioned Check Valve



Electric Double Cushioned Check Valve



Manual Combination Check Valve



Manual Combination Check Valve

Dependability

proven in the
POWER PLANTS
of
America

Hydraulic
Automatic Manual
GOLDEN-ANDERSON
POSITIVE CONTROL
Check Valves

For over 35 years Golden-Anderson has produced safe, dependable Check Valves to satisfy the requirements of even the most hard-to-handle flow control problems. These valves successfully eliminate serious surge and water hammer on emergency shutdown of pumps. Valve action is so quick that all possibility of reversing of pump or motor is completely removed. Write today for descriptive technical catalog.

GOLDEN-ANDERSON Valve Specialty Company, KEENAN BUILDING, PITTSBURGH 22, PA.

POWER • April 1948

POWER • April 1948