

Leaf assembly being removed from one of three vertical filters at B. F. Nelson.

Now B. F. Nelson Mfg. Co.

increased condensate in boiler feed 70%

with **SORBO-CEL**

When B. F. Nelson Mfg. Co. added new 425-ppt boilers, all its condensate was an expensive problem... until they switched to Sorbo-Cel filtration.

Average oil concentration in old boilers was 65 ppm. Concentration in condensate receivers ran 33.4 ppm, mostly emulsified. About 50% of boiler feed was condensate. Problem: to keep oil out of new boilers. By comparing methods, they found that filtration with Sorbo-Cel... a specially processed diatomite filter aid... did the best job.

Sorbo-Cel slurry is fed into condensate to attract oil and hold it until it reaches filters. Sorbo-Cel collects on plates and builds up a highly porous cake. Operation is continuous until there is no more room for cake between plates—usually 70 hours.

Today, 85% of boiler feed is condensate. Labor-and-material costs are only 1.7 cents every 1000 lbs. Since B. F. Nelson produces two million pounds of steam a day, savings from reclaiming such a high percentage of condensate can readily be imagined.

For further information about Sorbo-Cel filtration mail the coupon below.

**Johns-Manville
SORBO-CEL**

Johns-Manville
Box 60, New York 16, N. Y. POW-7

Please send me free bulletin giving advantages of Sorbo-Cel filtration.

Name _____

Company _____

Address _____

City _____ State _____

More EQUIPMENT NEWS

Begins on page 754

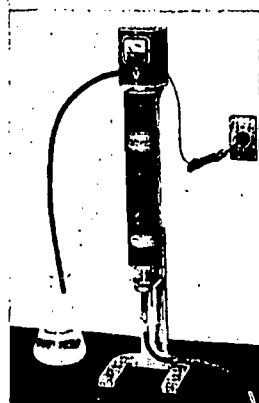


Bolt-End Insulator

735 • New porcelain insulator is designed to shield the projecting ends of transformer support bolts to protect personnel working on live lines. (Support bolts are at ground potential when the transformers are grounded, thus ordinarily creating a hazard.)

Lapp Insulator Co., Inc., Le Roy, N. Y.

For more data on these items, use post card p. 161. Identify your request with item number.



Cartridge Demineralizer

714 • New demineralizer features a permanent cartridge, an electric purity indicator, and a sight indicator for adjusting intake flow to the optimum rate for efficient ion exchange action. Unit can supply up to 10 gph of high purity water, is useful for laboratories, storage batteries, etc. To operate, connect intake hose to the tap, insert outlet hose in a receptacle, and turn on the faucet. Purity meter warns when resin charge in the cartridge requires replacement.

Penfield Mfg Co., Inc., Attention E H Ciochazy, 19 High School Ave., Meriden, Conn.

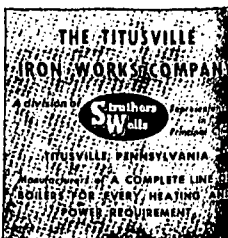
Dependable POWER—HEAT

for a 37-building
Veterans' Hospital



TICO THERM STEAM GENERATORS

This battery of four Ticotherm Steam Generators dependably and economically serves the power and heat requirements of the 2000-patient Franklin Delano Roosevelt Veterans' Administration Hospital at Pensacola, New York. Ticotherm Steam Generators are always your sound choice for maximum steam output at lowest operating cost. Write for details!



New Beloit, Kansas, plant gets record low maintenance with...

• Acclaimed as one of the municipal showplaces of the Midwest, the new power plant at Beloit, Kansas, is going itself one better in actual performance.

The decision of Mr. Ray Vollendorf, plant superintendent, and city officials to switch to dual-fuel operation has paid dividends. Dual-fuel operation of the two new 2,100-hp units and a 1,080-hp converted unit has reduced fuel cost per kilowatt hour by more than 50%.

Another decision has brought its reward. To STANDARD HD Oil went the job of lubricating the plant's four diesels. Now, after nearly two years' operation, Mr. Vollendorf reports that crankcases are as clean as the day the diesels were placed in service. No rings or bearings have needed to be replaced. Visibility of tool marks on the rings and the over-all excellent condition of the engines indicate that

many more hours of service are possible before any overhaul or replacement of parts will be required.

Including the two years' operation of the new plant, the experience of Beloit, Kansas, municipal officials with Standard Oil products covers 20 years. That experience testifies to the satisfaction and benefits you'll realize through Standard Oil's high quality products and outstanding service. You can reach the Standard lubrication specialist in your area of the Midwest by phoning your local Standard Oil office. Or, write: Standard Oil Company (Indiana), 910 South Michigan Avenue, Chicago, Illinois.



Above: New power plant at Beloit, Kansas, has two new 2,100-hp dual-fuel units and two 1,080-hp units from the old plant.

Left: Mr. Ray G. Vollendorf, superintendent of Light and Water Department, did all the design work on the plant's large, modern switchboard.

STANDARD HD
TRADE MARK
OIL

STANDARD OIL COMPANY



(Indiana)