

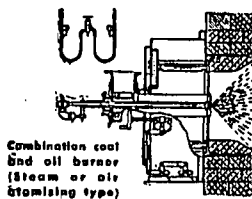
Enco OIL BURNERS

have these
7 ADVANTAGES
in pulverized coal
fired boilers...

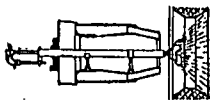
They may be installed in practically all types of pulverized coal burners, with these seven important advantages:

- They warm up cold furnaces
- They ignite pulverized coal—safely
- They assure continuous operation in case coal system fails
- They provide efficient and safe operation on bank and at low loads
- They respond almost instantly to sudden load changes
- They permit operation with oil or coal—whichever is available and lowest in cost per BTU.
- All capacities of steam, air or mechanical atomizing types are interchangeable

The foregoing are only a few of the reasons why Enco oil-burners have been bought by a long list of leading industrial firms. Details of how Enco oil-burners can be adapted to your present pulverized coal burners will be gladly supplied—without obligation. Write The Engineer Company, 68 West St., New York, N. Y.



Combination coal and oil burner (Steam or air atomizing type)



Combination coal and oil burner (Mechanical atomizing type)

Enco Burners

More FREE BULLETINS

Begin on page 145

WATER TREATMENT

62 PACKAGED DEAERATING WATER—spray-type for the smaller steam generating plants, guaranteed to reduce oxygen in heated water to 3.000 ml per liter. 4 pages. Bulletin WC-110. Graver Water Conditioning Co., Dept. 10-0, 816 W. 14th St., New York 11, N. Y.

63 MONO-COLUMN DEMINERALIZATION—fully automatic regeneration, rinsing, recirculating in of effluent and refilling regeneration tanks. 2 pages. MA Catalog Sheet. Panfield Mfg. Co., Inc., 19 High School Ave., Meriden, Conn.

An availability of 100 percent was maintained during 1952, the first full calendar year of operation, by the world's first supercharged steam turbine generator. The new generator—a 60,000-kw Allis-Chalmers unit with supercharged hydrogen-cooled rotor—is installed at the Wisconsin Power & Light Co.'s Edgewater station in Sheboygan, Wis. Out of a total of 8784 hours in 1952, it was in service 8557 to establish a 97.41 percent service factor.

Pacific Gas & Electric Co. will continue at full speed in 1953 the construction program it has been engaged in since the end of World War II. During the last year, the company added two new generating units to Moss Landing steam plant to bring its installed capacity to 575,000 kw. Contra Costa steam plant will be raised to equal capacity when installation of two more units is completed in the coming year. Construction of the Pittsburg steam plant, capacity 600,000 kw, is also under way.

Work on a \$13.5 million steam plant addition to the Salt River Power District's Kyrene plant has been started with a completion date set for June, 1954. The new unit will more than double the generating capacity of the present 30,000 kw plant put into operation last year.

London — (McGraw-Hill World News) — An open-cycle internal combustion gas turbine to burn peat has successfully completed its initial test runs at the works of the makers, Ruston and Hornsby of Lincoln, England. The 750 kw turbine has been built under contract to the Ministry of Fuel and Power as part of the research program into the utilization of peat resources.

A system of feeding powdered peat into the combustion chamber has been developed which enables the plant to be run as steadily with this fuel as with oil. The plant is now being prepared for prolonged running. The hot exhaust gases are available for drying the peat. The plan is to run the turbine in association with a special press designed to remove about two-thirds of the water from the raw peat, which contains about 90% of water. This system permits peat to be used independently of weather or season, which is in contrast to the conventional methods of air drying.

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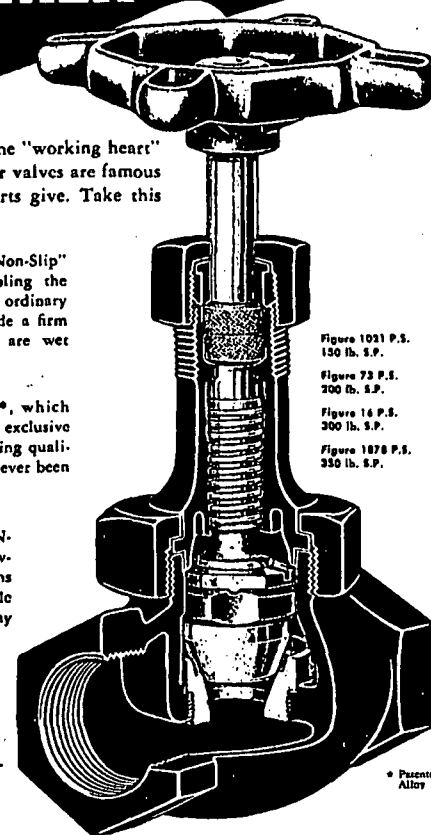


Figure 1021 P.S.
150 lb. S.P.
Figure 73 P.S.
200 lb. S.P.
Figure 16 P.S.
300 lb. S.P.
Figure 1076 P.S.
350 lb. S.P.

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