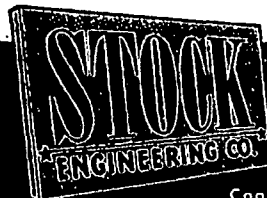


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CONICAL Non-Segregating Coal Distributors deliver coarse and fine coal in uniform mixture across the stoker hopper—not in segregated condition as illustrated above. Where this separation of coarse and fine coal exists, fuel is wasted, boiler efficiency is impaired and ashes deteriorate. For uniform combustion—use CONICAL Non-Segregating Coal Distributors. For particulars address STOCK ENGINEERING COMPANY, 715 HANNA BLDG., CLEVELAND 13, OHIO.



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New Gas Turbine Goes Into Industrial Service

The Westinghouse 2000-hp gas turbine that recently completed more than 1000 hr of test operation (see Power, March 1944, pp 80-82) will be shipped to Mississippi River Fuel Corp. It will drive a compressor on the natural-gas line between Monroe, La. and St. Louis, Mo.

Cooperative arrangements of Westinghouse, Mississippi River Fuel and Ingersoll-Rand have been made to run a six-month trial starting in early 1949. The gas turbine will drive a centrifugal compressor at 8750 rpm, all components of the unit being mounted on a common bedplate.

This is expected to be the first application of a mechanical-drive power gas turbine in industry in the U. S. A. The unit will require only a simple, inexpensive concrete mat foundation and can be trucked into remote undeveloped regions. Needing little lubricating oil and no water the unit can be set up and made ready to operate in a few hours.

In addition to this application, Westinghouse has plans for building a gas-turbine powered locomotive.

Bureau of Mines expects to start construction this fall on the \$750,000 lignite research laboratory at Grand Forks, N. D. Completion of the research center is scheduled for the end of 1949. Representing the culmination of many years of cooperative research in lignite between Bureau of Mines and University of North Dakota, the new laboratory will be the only one in the U. S. devoted exclusively to research on lignite. Congress appropriated \$200,000 in cash for the project and approved contract authorizations for \$550,000. The research center's basic facilities will include a laboratory for small-scale research, a general service section for supplies and a machinery bay suitable for large-scale pilot plant research.

Johnson Service Co., Milwaukee, has recently conducted a training school for technicians and apprentice mechanics in branch offices and June graduates in mechanical engineering from various colleges. Under direction of J. R. Vernon, sales promotion manager, the course, which continued through Aug. 13, was divided into three sections: automatic control apparatus, under H. W. Alyea, field and development engineer; heating and air-conditioning systems, under M. M. Herrick, application engineer; and sales and contracting operations (for those in sales activities only) under J. R. Vernon.

Lincoln Electric Co. of Cleveland, Ohio, manufacturer of arc-welding equipment, is now authorizing outstanding service and repair organizations in all the principal industrial centers of the U. S. to be sold service shops for Lincoln equipment. The shops are making available immediately Lincoln factory parts and factory service.

Harry W. Smith Inc., technical publicity and editorial relations, has moved to 507 Fifth Ave., Room 1101, New York 17, N. Y.

TERRY



BLADE PROTECTION Made Possible by Nozzle Location

In the Terry Solid-Wheel Turbine, the steam enters the buckets from the top, not from the side of the wheel, as shown in the illustration above. This permits a one inch clearance on either side of the wheel. In addition, projecting rims on each side of the

buckets prevent damage to the blades even though excessive thrust should tend to move the shaft.

This feature and others, as important, are described in detail in Bulletin S116 which will be sent to you on request.

T-1178

THE TERRY STEAM TURBINE COMPANY

TERRY SQUARE, HARTFORD, CONN.