Power Engineering

Milesburg—3 Features 54

Power Relief Valve 58

Industrial Gas Turbines 64

Sticking Coal 73

Chimneys and Smoke Control 82

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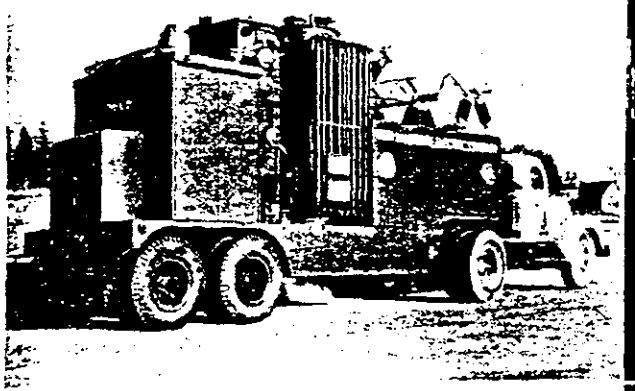


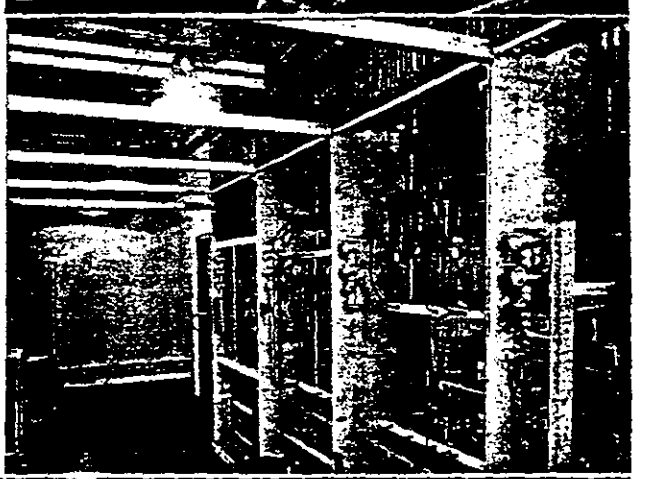


Above—New Hampshire Electric Company's new G-E mobile substation unit. It has a rated capacity of 2,000 kva and is designed to meet the varying voltage requirements of the company's 34 towns in N. H. and Me.



Above right—Power for the Owl's Head sewage treatment plant is produced by six Superior 1300-hp, turbocharged, dual fuel diesels and Westinghouse 1125-kva generators, using 90% by-product digester gas

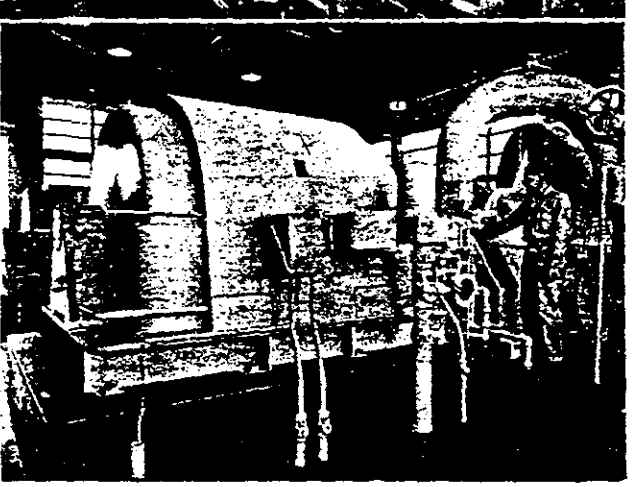
Right—Springfield State Hospital, Sykesville, Md., has installed in its power plant a General Electric 700-kw turbine-generator set. This unit replaced a reciprocating steam engine and smaller turbine-generator set



Right—Parker Appliance Co. Triple-lox tube fittings in light metal for instrumentation and process piping in refineries, power and chemical plants, refrigeration and air conditioning equipment, and fuel systems

Below right—World's largest motors for oil pipe line pumping are these 3000 hp, 1780 rpm, squirrel-cage induction motors at the Norman, Okla., Basin pipe line system station, built by Electric Machinery Mfg. Co.





Below—Great Falls, Montana, Anaconda Wire & Cable Co., machines which once produced copper wire and cable exclusively are also turning out stranded aluminum steel-reinforced conductor as shown in this photo