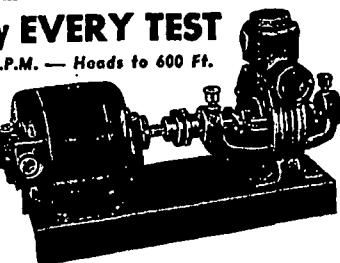


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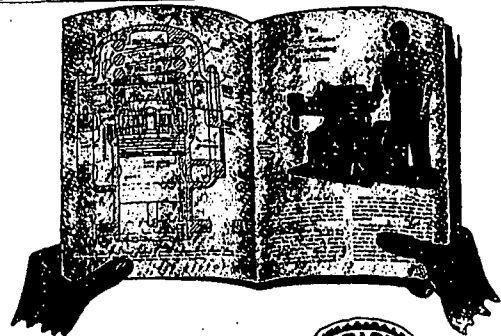
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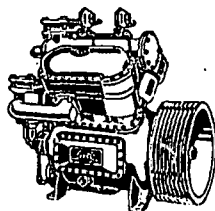
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Plant Expansion Plans

Salt River Valley Water Users' Assn. has authorized expenditure of three-fourths of a million dollars for a new 7500-kw. electric generator to combat a critical Arizona power shortage. The unit will be installed at the association's power plant north of Tempe. It will replace the U. S. Navy's mobile generating plant scheduled to be removed from the Tempe plant next Oct and will greatly augment the association's power-producing capacity (See POWER, June, pp 90-96).

A new 15,000-kw power-generating unit will be installed at Lincoln, according to Loup River Public Power District. Attention is aimed at forestalling a possible power shortage in 1951. The plant will include a new building, boiler, turbine, watercooling tower and related equipment.

The third 30,000-kw unit recently ordered for the Bellevue plant, now under construction by Nebraska Public Power System, will not be completed until 1952. The new Lincoln unit will be in addition to the two 30,000-kw units now under construction at Bellevue plant and the additional unit that is on order.

Connecticut Light & Power Co. is planning steam-plant expansion at Devon. Installation has begun on a new 60,000-kw Westinghouse condensing turbine unit scheduled for service in 1950. This will be followed by a similar 60,000-kw unit to replace a 25,000-kw machine now in operation. Steam for the first named unit will be supplied by a 600,000-lb-per-hr Combustion Engineering boiler. Operation will be at 1250 psi and 950 F. The company recently completed installation of a 31,250-kw General Electric turbine-generator, replacing a 10,000-kw unit at Montville in 1918. Installation here of a second 31,250-kw machine is well under way. By 1951 the company expects to have increased its wartime generating capacity by about 200,000 kw. Important transmission-line construction is scheduled to enable eastern and central Connecticut to utilize this additional generating capacity.

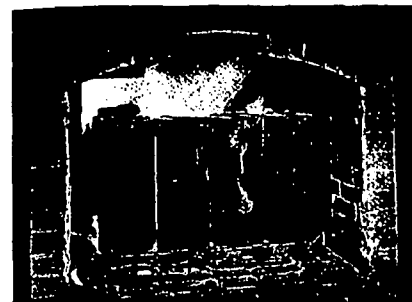
Additional steam-generating facilities have been ordered for Cambridge Electric Light Co. and New Bedford Gas & Electric Light Co., subsidiaries of New England Gas & Electric Assn. A second Westinghouse turbine unit will be installed at Kings Square station in Cambridge. Its rated capacity will be 25,000 kw, 1250 psi, 900 F., 3600 rpm. First unit at this plant, now under construction, is to go into service in 1949. This is a Westinghouse extrusion-type machine, about 20,000-kw rating. The two units will be served by two 600,000-lb-per-hr Babcock & Wilcox boilers. Steam will be sold to industries and others in this part of the city.

A 25,000-kw turbine unit has lately gone into regular service at New Bedford Gas Co. A new machine, to be built by Westinghouse, and rated at about 35,000 kw, has been ordered. Combustion Engineering provides a 300,000-lb-per-hr boiler. Steam are being made as to economical expansion of New Hampshire Gas & Electric Co. steam plant at Portsmouth.

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