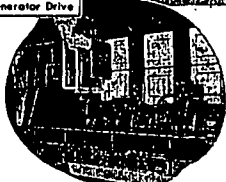


Diversified Applications...

SKINNER "UNIVERSAL UNAFLOW" STEAM ENGINES

GENERATE ELECTRIC POWER
DRIVE COMPRESSORS, BLOWERS,
PUMPS, LINESHAFTS

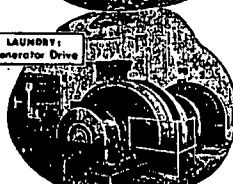
MACHINE TOOL
MANUFACTURER
Generator Drive



BREWERY
Compressor Drive



LAUNDRY
Generator Drive

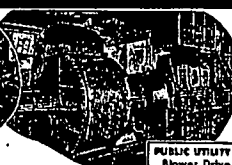


PUBLIC INSTITUTION
Generator Drive

OFFICE BUILDING
Generator Drive



PUBLIC UTILITY
Blower Drive



Skinner "Universal Unaflow" Steam Engines constantly increase in popularity; for year after year gives added testimony to their permanent economy of operation and maintenance. The efficiency of the patented design of the poppet inlet and auxiliary exhaust valves, steam-tight after long use and under any variation of steam pressure or temperature, has not been equalled by any other valve.

While "Universal Unaflow" Engines are most popularly known for their economical generation of electric power, they are effecting equally important savings in driving blowers, compressors, refrigeration equipment, pumps, lineshafts, and other loads, by direct connection, coupling, or belt drive.

Skinner "Universal Unaflow" Engines are made in sizes for a wide range of applications, from 75 hp. to 3000 hp., in horizontal or multi-cylinder vertical types. They are suitable for noncondensing or condensing operation, with automatic change for either condition. They may be provided with special manual or automatic controls for variable speed and load requirements.

An additional economy is frequently gained by the use of exhaust steam for heating, processing techniques, and other uses.

Without leveling you in any expense or obligation, our engineers will give you complete data and figures on an installation to care for your needs.

For Over 60 Years, Doing One Thing Well—Building Steam Engines
SKINNER ENGINE COMPANY, ERIE, PA.

incorporated in the mechanism be the weakest link

Some companies, where seal problems have been particularly acute, have found that considerable savings can be realized by research programs carried on in addition and supplementary to the work of seal manufacturers. Specific answers to many of the factors previously mentioned have been obtained, as well as a considerable accumulation of comparative life data between various seal designs and methods of manufacture. AISE Paper.

HIGH-TEMPERATURE LUBRICANTS, by L. Sumner, Westinghouse Electric Co. The ever-increasing demand for lubricants capable of withstanding high temperatures is indicated by NEMA classifications of motor insulations. These include Class O, Class A, Class B, and Class H, designed to withstand temperature hot spots of 90, 105, 130 and 180°C respectively. Bearings and lubricants must be found to function at these temperatures.

Discussed are limitations of orthodox greases (mineral-oil dispersions in soaps) and ordinary laboratory tests for evaluating them for use in antifriction bearings operating at high temperatures.

The paper describes a method for evaluating greases used on ball bearings, individually housed, and ambiently heated, that may be run at variable conditions of speed and temperature. AISE Paper.

Phillip Sporn, president of American Gas and Electric Co. and its subsidiary, Indiana and Michigan Electric Co., in presence of officials of the two companies and a number of invited guests, broke ground Sept. 1 for the initial step in construction of a new power plant to be located near Lawrenceburg, Ind.

Georgia Power Co. will absorb into its power system the energy output of the Army Engineer's 74,000-kw hydro plant at Allatoona Dam. In return, the government may take from Georgia's system a maximum of 2,500,000 kw-hr per week for its own power customers. These are the salient features of the 10-year contract signed recently by Georgia Power Co. and Interior Secretary Krug. Under the 1944 flood control act, Interior is responsible for sale of all power produced at dams built by the Engineers. Allatoona, located on Etowah River near Cartersville, Ga., is the first of a series of major dams being erected in the southeast by the Army. Disposal of its output conceivably could set a pattern for contracts covering the 204,000-kw Buggs Island development on the Roanoke River and the 280,000-kw Clark Hill project on the Savannah.

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