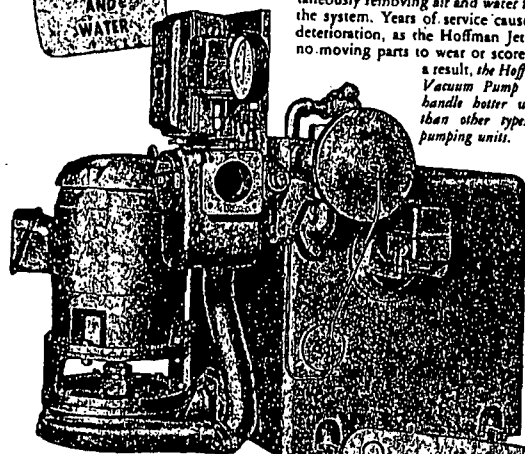


HOFFMAN VACUUM PUMPS

NEW!
VERTICAL
MOTOR
HIGH
ABOVE DIRT
AND
WATER

If excessively hot condensate is a problem in your steam plant, this New Hoffman Vacuum Pump offers positive relief. The exclusive Jet-Type Vacuum Producer featured in all Hoffman Vacuum Pumps assures efficient operation under conditions ordinarily impossible. It is the most effective means known for simultaneously removing air and water from the system. Years of service cause no deterioration, as the Hoffman Jet has no moving parts to wear or score. As a result, the Hoffman Vacuum Pump will handle hotter water than other types of pumping units.



TYPES "VS" and "VSS" SINGLE UNITS
Available in duplex units

CAPACITIES:

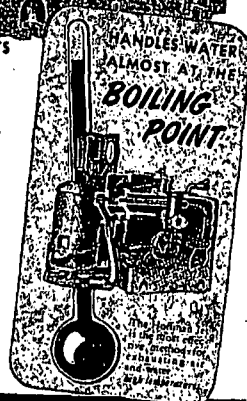
From 2,500 to 100,000 sq. ft. EDR.

DISCHARGE PRESSURES

From 20 lbs. to 60 lbs. per sq. in.

- Bronze fitted throughout • Enclosed, precision balanced bronze impeller • Renewable bronze wearing ring • Split bronze packing gland • Stainless steel impeller hub • Impeller has top suction inlet—eliminates air or vapor binding • Rigid motor support, very quiet • Easily handles 200°F condensate.

Write today for Cat. No. VP 852, no obligation.



PEAK-LOAD POWER

Continued
give an idea of some of the difficulties the men had to master while working with subzero temperatures and blizzards. These were major considerations in the design and construction of the project. Incidentally after the project is completed the cableways will be used to open up to touring the mountainous region of superb beauty.

Kaprun plant is now in operation according to schedule. Mergenthaler and Moll tunnel went into operation near the end of 1952. The Limberg turbine goes into operation this year and its first pump service in 1955, as do the Moll. By the autumn of 1955 Mergenthaler and Wasserfallboden Reservoirs are expected to be filled to capacity.

All four pelton turbines in the run plant were built by Escher, Ravensburg, Germany; the 10,000-kva generators by Elin AC, Weipert, Austria; the two 50,000-kva generators AEG, Berlin, Germany. In the Kaprun plant, Elin AC has the contract for generators, and Escher for Francis turbines and pumps.

Acknowledgments. The author fully acknowledges the assistance in writing and checking this article by Herr Kothbauer, director of Kaprun power plant in Austria; Kolb of the Austrian Embassy in Washington; and Robert F. Hamilton, Power Consultant, Industrial Resources, Inc., Security Act.

More PLANT PROBLEMS

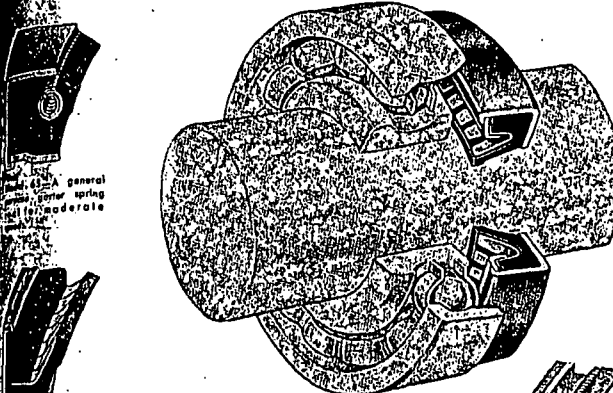
Continued from page 203
their knowledge valuable for many different jobs.

Start on the right foot by setting lamp cleaning and replacement schedules. If you wait a few months before the schedule started you may have difficulties. Use a good light meter, check illumination throughout the plant. Make a record of your readings for future reference.

I'd look for a man with plenty of maturity for this job. I'd also be looking for a man who would be happy with his work. Also, KL's plant is an excellent place to train young men. Start several apprentices as soon as the plant opens, or earlier if possible. A young engineering graduate who is hired, he'll give excellent help and comes to computations, sketches and other engineering jobs.

Don't load electricians with jobs like reading meters, writing up sheets, or making out extensive reports. It's better to have each man specialize.

Best Bearing Protection Money Can Buy



Model 33 KLOZURE applied to a shaft to protect the ball bearing.



Model 71-A—A narrow-rind springless seal for needle bearings and other limited space applications.



Model 64—A strong double spring seal for heavy duty service on large shafts.



Model 91-B—A narrow-rind seal with synthetic rubber outer covering for soft metal housings.

DEPENDABLE KLOZURE Oil Seals protect costly bearing installations; they prevent breakdowns and resulting losses in production. That's why many manufacturers of machine tools, gears, speed reducers, and other equipment have standardized on Garlock KLOZURES.

The standard sealing element in the Garlock KLOZURE is made of a synthetic rubber compound that is oil-resistant, non-porous and non-abrasive. Special elements, such as "Teflon" for strong acids and silicone rubber for extreme heat, are available. The metal cases are precision die-stamped.

These superior oil seals are made in a complete range of sizes and in many models; several are illustrated. Write for KLOZURE Catalog No. 10.



Branch Offices in Principal Cities

THE GARLOCK PACKING COMPANY, PALMYRA, NEW YORK
In Canada: The Garlock Packing Company of Canada Ltd., Toronto, Ont.

GARLOCK KLOZURE Oil Seals

Registered Trademark

FOR ALL TYPES OF BEARINGS