

Self-Setting
PACKING

Q-P Self-Setting Packing has demonstrated its superiority under the most difficult conditions on land and sea and can be depended on to meet requirements for high maintenance economy. It is the ideal packing for superheated steam, saturated steam, hot and cold water, ammonia, fuel oil, compressed air, gases and acids and other operating conditions. (For Valves, Turbines, Diesels, Expansion Joints, Hydraulic Equipment, etc.).

Outline your Packing Problems and Let us show you what "Q-P" Self Setting Packing can do for you.

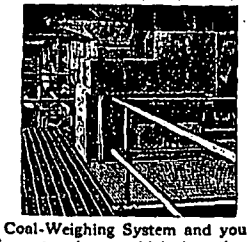
THE Q-P MANUFACTURING COMPANY
NEEDHAM HEIGHTS 94, MASS.

Sales Representatives in Leading Cities from Coast to Coast

CONSTANT CHECK | ON BOILER EFFICIENCY

RICHARDSON AUTOMATIC COAL SCALE

SPOTS fuel losses... CUTS steam costs...



One of two Richardson Automatic, Stationary, Floor-Mounted Scales supplied complete with bunker gate and distributor spout to feed stokers. Scale accessible on all four sides.

Install a Richardson Coal-Weighing System and you have continuous readings of consumption—at a glance—which show the efficiency of your boilers. By weighing and recording every pound of coal burned individually by each boiler on the line, you can compare evaporation rates and k.w.h. output; tell which boiler is not "delivering" its quota of steam.

The Richardson complete bunker-to-boiler weighing and coal feeding system is adaptable to the space and needs of large and small plants. Richardson Coal Scales are built for floor-mounting, in both portable and stationary models mounted at their mid-section, or as elongated conveyor-scale units.

Don't chance costly coal consumption. Keep your records straight—*by weight!* Write for Bulletin No. 1143.

© 3998

RICHARDSON SCALE COMPANY, Clifton, N. J.
ATLANTA • BOSTON • BUFFALO • CHICAGO • MINNEAPOLIS • WICHITA
NEW YORK • OMAHA • PHILADELPHIA • SAN FRANCISCO • DETROIT • PITTSBURGH • MONTREAL • TORONTO

Bureau of Reclamation asked for bids in mid-February on the multiple-purpose Hungry Horse Dam. A 300,000-kw power plant will be an integral part of the project. Bids on the structure, slated to be the fourth largest concrete dam in the world, will be opened on the site April 1. Specifications call for construction of a dam 2115 ft long, with a maximum height of 520 ft. Only larger dams are Grand Coulee, Shasta and Hoover.

The bureau already has advertised for bids for manufacture of four 75,000-kw generators and four 105,100-hp hydro turbines for the Hungry Horse power plant. It has tentatively scheduled installation of the generating units for June and Oct. 1952, Feb and June 1953. Partial storage in the reservoir, which will have a capacity of 3.5 million acre-ft, is planned to catch the spring runoff in 1952.

Operation of Hungry Horse power plant will be integrated with Bonneville Power Administration system and other Northwest Power Pool facilities, Reclamation spokesmen said. They also asserted that the project would increase "by 534,000 kw the firm power capacities" of existing downstream power plants at Kerr Dam and Thompson Falls, Mont., and at Grand Coulee, Rock Island and Bonneville dams. Ultimately, they added, it would also boost by 477,000 kw firm capacities of downstream plants yet to be developed in Columbia River system.

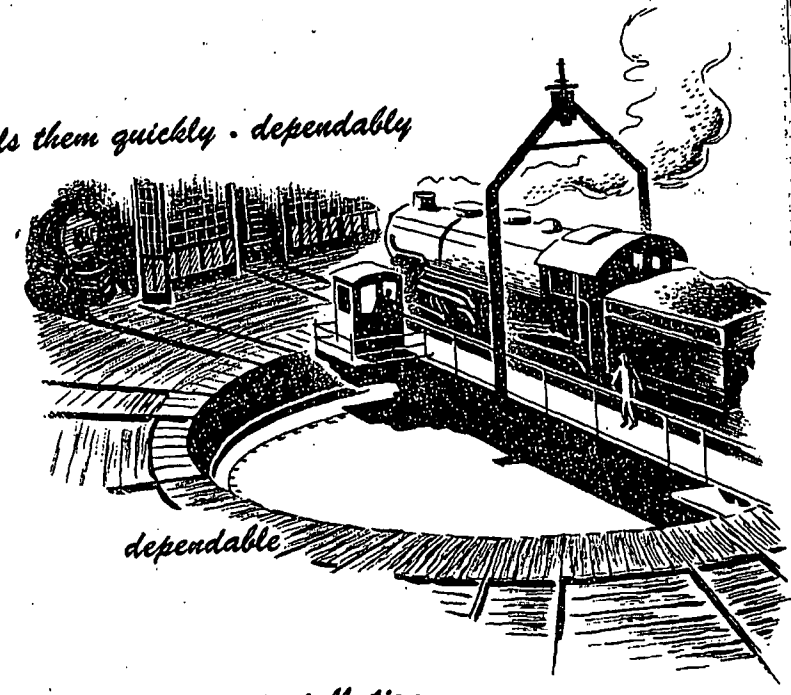
Montana Power Co's plans to install a second 56,000-kw generating unit in its Kerr hydroelectric plant were approved recently by Federal Power Commission. The company expects to complete the addition by Jan 1949. In its application for amendment of federal license for the Kerr plant, the company reported that it would soon need the additional capacity to meet load growth and to provide more flexible plant operation. New unit will increase average annual output by 353,000,000 kwhr and critical-year output by 217,000,000 kwhr. The plant is located on Flathead Lake and River at Polson, Mont.

Facilities to increase capacity of natural-gas pipeline systems in the U. S. by over one and a quarter billion cubic feet daily were authorized by Federal Power Commission during six months' period between July 1 and Dec 31, 1947, Chairman Nelson Lee Smith announced recently. Estimated cost of these facilities was $303,218,392, which includes purchase cost of Big and Little Big Inch war-emergency oil pipelines by Texas Eastern Transmission for natural-gas transmission operations. A total of $277,294,689 of the $303,218,392 was for projects that cost $700,000 or more. They were planned to benefit nearly 40 major cities and numerous smaller communities in 15 states in all sections of the country and in District of Columbia. These projects were intended to add at least 1,262,200,000 cubic feet daily to aggregate capacity of the systems involved.

MagniLastic Div of Cook Electric Co, Chicago, has announced a price decrease of 15%, effective Feb 1, 1948, in its MagniLastic packless expansion joints in the 55, 150 and 400 series.

WHATEVER YOUR PIPING NEEDS

fills them quickly • dependably



dependable

pre-fabrication • installation

Benjamin F. Shaw Company is qualified to pre-fabricate and erect piping—any place in the United States and Canada.

President

KNOWN SINCE 1893 FOR HIGH QUALITY

BENJAMIN F. SHAW COMPANY • 2ND & LOMBARD STS. • WILMINGTON, DELAWARE