

It's NOT TOO LATE!

Consult PRITCHARD Now for your Cooling Tower Repairs

There is still time for the Equipment Division of J. F. Pritchard & Co. to repair and make mechanical improvements on your present cooling tower—regardless of make. Without any obligation, Pritchard Field Engineers will survey your tower and submit comprehensive recommendations for the rehabilitation of your structure and, if advisable, suggestions for the replacement of the mechanical fan drives—on any make of tower.

The induced draft mechanical assembly pictured to the left is the famous Pritchard patented SEALFLOW Drive which mounts motor and gears vertically on the fan shaft. This unitized drive, as well as the two induced draft towers described below, is available in a range of sizes for new towers or as a replacement on your existing tower. Consult the EQUIPMENT DIVISION at once for further details.

Small and Medium Capacity INDUCED DRAFT Towers Shipped from Stock

Either horizontal or vertical air flow, with outstandingly efficient "Life-time" fans... the all-Monel fan with permanently lubricated, slow-speed direct drive motor built right into the hub! No gears, no belts, no couplings, no corrosion problems. Maintenance is nil! Other advanced mechanical and structural features throughout.

ASK FOR BULLETIN 1-19-88
Metal "packaged" cooling towers for indoor or outdoor installation, designed for minimum maintenance. Completely assembled with fans and motors, ready to put in service. Copper-bearing steel models shipped from stock; aluminum, Monel, stainless steel, etc., also available.

ASK FOR BULLETIN 5-6-80



THREE FUNCTIONS —
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Construction,
Manufacturing.

IN FIVE FIELDS —
Serving the CHEMICAL, GAS, PETROLEUM and POWER industries as well as providing EQUIPMENT for all industries.

EQUIPMENT DIVISION 908 Grand Ave., Kansas City 6, Mo.

J.F. Pritchard & Co.
ENGINEERS • CONSTRUCTORS • MANUFACTURERS

See Sweet's Files, Chemical Engineering Catalog, Refinery Catalog, etc. for additional information on Pritchard engineering and construction services and equipment.

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To the instructions usually given regarding using extinguishers and training plant personnel in fire-prevention and fire-fighting one sound suggestion might be added: Call the public fire department as soon as a fire is discovered. All firemen prefer finding no fire to arriving when a conflagration has resulted from delay in entering an alarm. Also, even though the fire is put out before their arrival, professional firefighters should check the situation to make sure that all is under control.

Brahma C. Hutchins, Pres.
Safety Research Institute, Inc.
New York, N. Y.

Refinery Power Expansion

THE FLOW DIAGRAM used to illustrate the two articles on the new power station at Whiting, Indiana—"Topping Stretches Refinery Steam" (Power, March, pp 84-86) and "Process and Power Dictate the Design" (Power, April, pp 100-103)—should show these major changes:

- (1) Total temperature of 1250-psi steam is 900 F, not 950 F
- (2) Pressure and temperature reduction from 1250 psi goes first to 400 psi and then to 100 psi
- (3) Continuous blowdown comes from the boiler direct. It flashes into the 100-psi header. The liquid passes to a second tank and flashes at 10 psi. Remaining liquid goes to the sewer.
- (4) Treated-water storage is held as dead storage for emergency use only.
- (5) The 20,000-kw generating capacity operating between 400 and 100 psi is made up of four 5000 kw units.
- (6) Four units supply the 4500-kw generating capacity between 100- and 10-psi range.

D A Monro,
Standard Oil Co of Ind.

Blast-Furnace Gas

(Continued from page 85)

good design places easy-to-get-at hand-holes for inspection and cleaning. An efficient shutoff valve in the gas feed line to the burner makes cleaning possible while other burners keep operating. A rubber-lined butterfly valve serves as a satisfactory shutoff under the most severe operating conditions. With the exception of the above design differences, oil or coke-oven gas for pilots, burner problems from dirty fuel operation of blast-furnace gas boilers follow the same experienced with other type boilers.



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