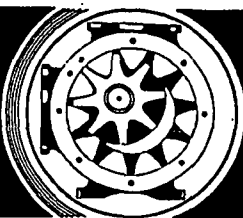


VIKING

The DESIGN That Made
ROTARY PUMPS
FAMOUS!



It is with pride and a sense of great responsibility, that Viking has pioneered a pattern for the rotary pump field.

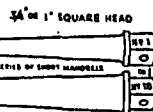
The pace, set by Viking for more than a third of a century, has stood this test of time.

When you are in need of pumps, it will pay you to do as others have done, consider the original "gear within a gear" Viking first. You will find a decided difference.

Look to Viking for the answer to your pumping problem. Send for free bulletin 475W today. It will be forwarded at once.



Viking PUMP COMPANY
Cedar Falls, Iowa



Short mandrels are available in sets, to obtain full expansion range. Expanders are made in a complete range of sizes, marked for the inside diameter they enter, from 1 1/2" through 3 1/2", progressing by sixteenths.

The Wiedeke New Improved SERIES-1500 Ideal Tube Expanders

New and Improved... for better efficiency. The frame of the IDEAL Tube Expander has been shortened for easier entry into tube when rolling in small headers or other close quarters. The mandrels and rolls are made of controlled-quality Alloy Tool Steel, carefully selected and heat treated... for dependable service. For complete details, see your dealer, or write today for IDEAL Bulletin No. 63-B.



The Gustav Wiedeke Company
DAYTON 1, OHIO

A building specially designed to house the two-million volt X-ray machine recently installed by Babcock & Wilcox Co to examine the welds in high-pressure, high-temperature boiler drums, manufactured at its Barberton (Ohio) Works, has just been completed. Simultaneous with the opening of the new building, the company announces operation results with the new machine, which is the first of its size to be used exclusively for testing of welds in pressure vessels.

With the new machine, which has been in operation for several months, production of large pressure vessels and boiler drums has been speeded up considerably because of the much shorter exposure time now required in X-raying pressure vessels 4 1/2 to 6 1/2 in. thick. Otis R Carpenter of the works laboratory stated that small laminations that have not been seen heretofore on radiographs of heavy plate are more easily found and a sensitivity to variations of under 2% of the weld thickness is obtained.

Modine Mfg Co held a 3-day national sales conference in its new administration building in Racine, Wis., on April 5-7. More than 60 Modine sales representatives were in attendance. The conference covered all aspects of sales, engineering and product analysis and application, advertising, and market research. At another series of meetings on April 26-28 the salesmen of Modine representatives were given intensive training and background information on production, engineering, application and sale of Modine products.

Rounding out a 27-year cycle from engineering, selling and installing to manufacturing, Preferred Utilities Manufacturing Corp recently took over its new brick and glass-walled factory at Danbury, Conn. All the company's manufacturing operations are now concentrated under this one roof.

American Institute of Electrical Engineers has awarded the 1947 Lammé Medal to A M MacCutcheon, who retired in 1946 from the position of vice-president in charge of engineering, Reliance Electric and Engrs Co, Cleveland, Ohio. The award was made "for his distinguished accomplishments in the development of motors for industrial needs, notably in the steel industry." The medal will be presented to MacCutcheon at the summer general meeting of the Institute, to be held in Mexico City, June 21-25.

The Lammé Medal was established through a bequest of Benjamin Carver Lammé, who was chief engineer of Westinghouse from 1903 to his death in 1924. Beginning in 1928, the medal has been awarded annually for high achievements in development of electric apparatus or machinery.

Institute of Metals (Platinum) Medal for 1948 has been awarded to Robert Crooke Stanley, chairman and president of International Nickel Co of Canada, Ltd, in recognition of his outstanding services to the nonferrous metal industries. Mr Stanley has been with the company and its predecessors since 1901.

the packing

for HIGH temperatures
EXTREME pressures

JOHN CRANE

6-AM PACKING

For high temperature, high pressure valves, expansion joints, soot-blowers, throttle valves, gauge glasses, handling superheated steam, liquids and hot gases where high heat and high pressure are prime factors.

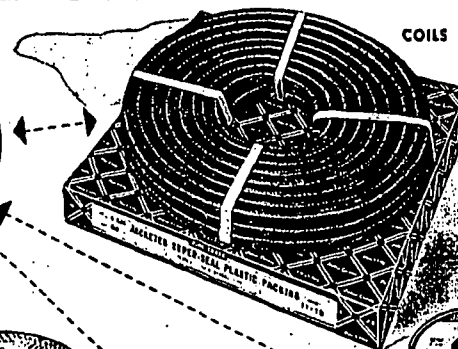
JOHN CRANE 6-AM Packings have long demonstrated superiority in severest services. Made by braiding jacket of pure asbestos yarn with monel wire insertion over non-metallic core of high temperature plastic. Impregnated thruout with dry graphite lubrication. Packing remains resilient, with low frictional wearing face.

New Crane Packing Catalog No. 60, of special value to power engineers. Illustrations and engineering data for hundreds of packing applications. Request on your letterhead will bring you a copy.

CRANE PACKING COMPANY 1810 CUNYER AVE. CHICAGO 13, ILL.

JOHN CRANE Super-Seal

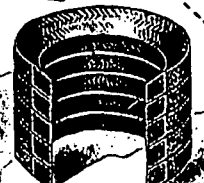
BRASS-PLATE PACKING
SQUARE & ANG.



COILS



SETS



CONICAL SHAPED SETS



DIE-FORMED RINGS



SPOOLS
Style 4-AM
Lubricated
with mica instead
of graphite.