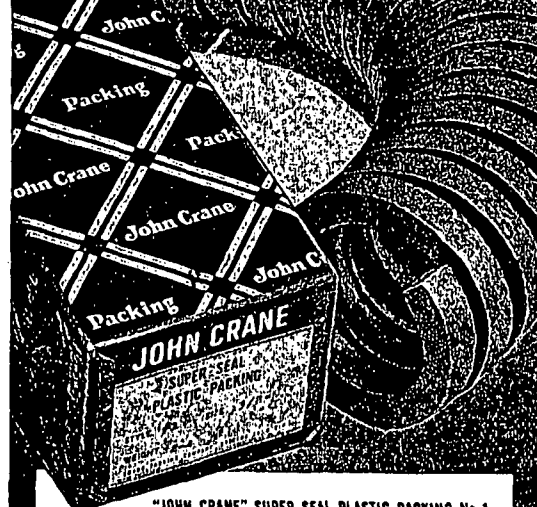


New For 1953 BOILER FEED PACKING

5000 RPM. • 430°F. • 1250 PSI.



"JOHN CRANE" SUPER SEAL PLASTIC PACKING No. 1

Boiler plant operators of high speed centrifugal boiler feed pumps have long been looking for a satisfactory packing for these important units. Speeds have advanced from 1750 rpm. in 1910 to 6000 rpm. today, with shafts ranging up to 3½" diameter. Handling hot condensates up to 430°F. and pressures to 1250 psi. are no longer uncommon. High speed centrifugal boiler feed pumps go into service with lightning speed. The friction heats ordinary packing in a very short time. The oil and lubricants in these packings are boiled out and the asbestos seizes around the pump sleeves. Extensive damage and costly shutdowns result.

"JOHN CRANE" Super Seal Plastic Packing No. 1 is different!

This packing has a dry flake graphite lubricant. Every asbestos fiber is impregnated with graphite. The body of the packing is a combination of non-frictional metal particles. Asbestos fiber, graphite and rubber binder are semi-vulcanized as a mass, forming a resilient, flexible, non-frictional, strong packing.

"JOHN CRANE" Super Seal Plastic Packing No. 1 compresses satisfactorily under gland pressure to provide a perfect fit in the stuffing box. With proper lubrication, the packing runs cool and seals with minimum leakage. There is no lubrication to run out. The graphite surfaces polish the sleeve.

Operating engineers prefer "JOHN CRANE" Super Seal No. 1 for high speed centrifugal boiler pump service. Supplied in spirals, coils and disformed rings and sets to fit all stuffing boxes.

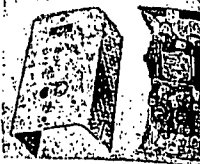
Write today. Ask for our illustrated catalog. Crane Packing Co., 1830 Cuyler Ave., Chicago 13, Ill.



JOHN CRANE
CRANE PACKING COMPANY

More EQUIPMENT NEWS

cycle operation. Coils furnished maximum resistance of 22,000 ohms. Insulation resistance better than one megohm and breakdown tested RMS. Open relay measures 1-17/32 in. long, 1-3/16 in. high. Potter & Brumfield, Princeton.

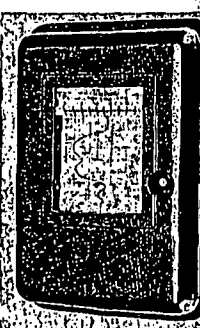


Magnetic Starters

444 • New line of magnetic starters and relays incorporates a Sanit construction. The 5 main parts consist of 2 contact blocks, a coil, an armature and a 3-coil overload relay mounted on a steel base. Each part can be removed from the unit without disturbing another part.

The new line features a 3-coil, 4-coil overload relay permitting 4 ratings for each heater coil by changing its position. Manufacturer claims this provides regulation within 3% of full load motor. All terminals face front, have solid connectors that grip solid or stranded wire. Cutler-Hammer Inc., 315 N. 12th St., Milwaukee 1, Wis.

For more data on these items, use page 183. Identify your request with item number.

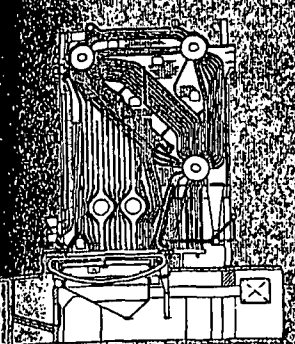


Speed Recorders

422 • Series 81M strip chart recorder. General Electric type CP-5 instrument modified for use with Motron tachometer indicators and heads to record 18 different speeds ranging from 0 to 50 to 0 to 100,000 rpm. cycles per minute, yards per hour, feet per minute, or virtually any speed.

10,000 People are proud of their UTILITY

**CITY OF FAIRMONT,
MINNESOTA**



BOILER DATA

3-drum—40,000 lbs./hr.—750°F (TT)—399 lbs. O.P.—45 lbs. D.P.—water cooled side and rear walls—Erie City Spreader Stoker with 12,000 B.t.u. Illinois oil and gas firing.

An Outstanding Record of Performance

- 1925 All Rates Reduced
- 1926 Power Rates Reduced
- 1927 Commercial Rates Reduced (Lights)
- 1928 Water Rates Reduced
- 1929 All Rates Reduced
- 1930 Power and Resident Light Rates Reduced
- 1931 Commercial Light and Power Rates Reduced
- 1932 All Electric and Steam Heat Rates Reduced
- 1933 All Electric Rates Reduced
- 1934 Increased costs forced 10% increase in all rates

The City of Fairmont, Minnesota, population 10,000, operates its own light, power, water and low pressure commercial steam heating services. The power plant, rebuilt in 1920, houses one 40,000 and one 60,000 pound boiler and two 80,000 pound per hour Erie City 3-drum steam generators added in the past five years. Its kwh generated has increased from 1.8 to 34.6 million in 1951.

The late G. E. Basom, had devoted 28 years to the careful management of this utility. Its outstanding record of rate reduction over the years is a monument to his devotion to the public trust. It is also a matter of great pride to this community that not one cent of taxes was required for financing their utility.

We are proud to have Erie City "Travagrate" Spreader fired Erie City 3-drum steam generators serving the City of Fairmont.

You can depend on Erie City for sound engineering



ERIE CITY IRON WORKS • Erie, Pa.
STEAM GENERATORS • SUPERHEATERS • ECONOMIZERS • AIR PREHEATERS
UNDERFEED AND SPREADER STOKERS • PULVERIZERS