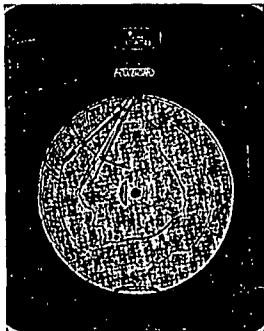


NEW PLANT EQUIPMENT



Automatic Controller E408

AUTO-SELECTOR CONTROLLER controls selectively from either of two related variables, by positioning a single valve, damper or other operator. Selection is determined by the variable having the greatest tendency to exceed its preset limit, and the transfer of control is made smoothly, instantly and automatically. Instrument not only does the work that previously required two controllers, but has the advantage that it may incorporate the automatic reset function in control of either or both variables. Design embodies two measuring systems and two interconnected Foxboro Model 40 mechanisms. Control action of both mechanisms may be on-off, proportional, proportional with derivative, proportional with reset, proportional with reset and derivative, or any combination of these. Controller is available as a recorder or indicator. Foxboro Co., Foxboro, Mass.

Air Compressor E409

PAC-AIR is a portable self-contained, completely air-cooled gasoline engine-driven air compressor. The 2-cylinder single-stage compressor has a piston displacement of 37.5 cfm at 80 psi. Unit is equipped with an automatic unloader that permits the compressor to operate at constant speed, but compresses air only when needed. Compressor and engine are mounted on an air receiver that forms an integral part of running gear. Pneumatic tires and a quick detachable ball-and-socket type trailer hitch make the Pac-Air easy to tow behind truck or passenger car. Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.

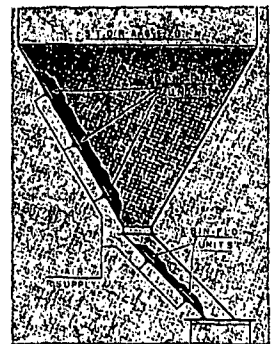
Adjustable Port Valves E415

THESE ADJUSTABLE PORT VALVES give good performance with throttling-type control motors because they give about equal changes of flow for equal angular movement of the valve arm. Clockwise turning of port-adjusting screw decreases resistance to flow by uncovering a greater portion of the available port. Angular movement of control handle then successively increases or decreases size of the port, in accordance with demands of control instrument. Multiple valves can be driven either through linkage or gear trains. North American Mfg Co., Cleveland 5, Ohio.

Dry Lubricant E447

WITH LIGHT RUBBING this lubricant adheres to even the smoothest surfaces, has an extremely low friction coefficient and a large capacity to prevent galling, seizing, or metal-to-metal contact at bearing pressures well over 100,000 psi. Molykote consists essentially of molybdenum disulfide powder and has the appearance of graphite, though it contains none.

Molykote may be mixed to a paste with SAE 10 motor oil. It is equally suitable for high, low, and room-temperatures; 10 oz will cover 500 sq ft of smooth metal surface. Alpha Corp., Greenwich, Conn.

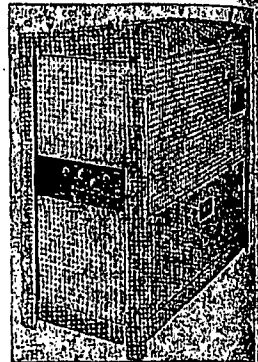


Material Handling E426

A SMALL METAL PLATE, 3½ by 7½ by ½ in. thick, in conjunction with a compressed air system, located at points of restricted flow in bins, hoppers and chutes, is said by its

manufacturer to give uniform feed of materials.

Low-pressure air supplied through a piping system is injected into the material under movement through a fabric diaphragm. Results are said to be good where material is dry. Dept. J-916, Bin-Dicator Co., 14615 E. Jefferson Ave., Detroit 15, Mich.



Voltage Regulator E436

NEW TYPE S- and 10-kva regulators are available in either 115- or 230-v models. Incoming-line voltage may vary between 95 and 125 v, or 190 and 250 v ac, without affecting regulation accuracy of 0.5%. Harmonic distortion produced by these units never exceeds 5% in standard models and 3% in S models. Frequency changes between 50 and 60 cycles will not affect output voltage or performance. Sorenson & Co., 375 Fairfield Ave., Stamford, Conn.

Sealing Compound E439

HEAT-INSULATING SEALING COMPOUNDS stand temperatures as high as 2200°F. band FR8 and FR10 are available in different consistencies for application by brush or extrusion gun. American Latex Products Corp., 921 Venice Blvd., Los Angeles 15, Calif.

Welding Rods E451

RECLAMATION and hardfacing applications can be met with either Tube Tungsten or Tungrod. Tungrod consists of tungsten carbide particles, ranging from 5- to 40-mesh size enclosed in a steel tube. When applied as a welding rod, steel tube melts and evenly distributes hard tungsten carbide particles and gives a weld deposit that

Simple pipe bend . . .

Or complex unit fabrication

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No job is too difficult for Crane Pipe Fabricating Shops. Strategically located . . . skillfully manned . . . Crane Shops give you the finest fabricated piping service available. For Crane completes your entire job—bending, stress relieving, heat treating, even radiographic examination of welds, if required—before testing each assembly as a unit.

Whether for power or processing systems, high or low pressures—Crane unit fabrication of valves, headers and other piping assemblies stands out as the finest combination of materials and workmanship. All operations are rigidly checked under laboratory super-

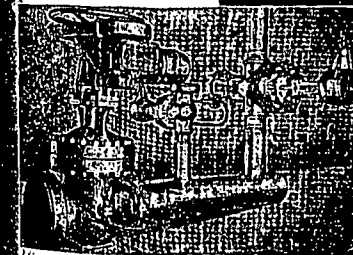
vision. Strictest adherence to specifications helps to fulfill every intent of your design. And since Crane Shops prove major assemblies in advance of installation, your piping systems are completed in the field with least effort and delay.

Crane Co., General Offices: 836 S. Michigan Ave., Chicago 5, Ill. Branches and Wholesalers Serving All Industrial Areas.

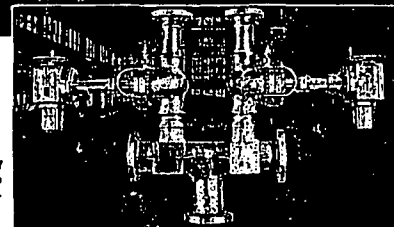
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FOR BOILER FEEDWATER service in Arkansas power station, this integrated header contains 17 welded valves. Fabricated by Crane and delivered as a unit.

12 x 8 x 4-IN. HEADER ASSEMBLY shipped as a unit to a central station. Completely fabricated, stress relieved, and tested by Crane.



STEEL HEADER with two Crane 8-in. motor-operated gate valves. Fabricated as a unit in Crane Chicago shop for main steam service at 830 psi and 500 deg. F.



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