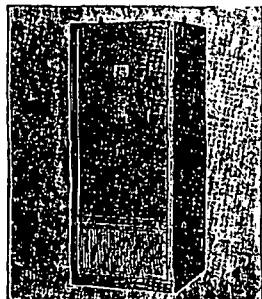


WHAT'S **New** IN PLANT EQUIPMENT



Electronic Speed Control E28

REGUTRON PROVIDES excitation and speed control, through a magnetic drive, of boiler-draft fans, centrifugal pumps, compressors and blowers. It rectifies 3-phase power to energize the magneto drive and adjust excitation current to hold output shaft speed to within $\pm 1\%$. Load speed is selected automatically or manually by positioning a small potentiometer. Other parts of the control guard against effects of overvoltage, undervoltage, short-time power failure, improper operating tubes and amplifier. Excitation current is balanced against voltage of a tachometer generator driven by the load; therefore speed is held constant despite changes in prime-mover speed or changes in load or power-supply voltage. Electric Machinery Mfg Co, Minneapolis 13, Minn.

Transformer Release E29

THIS COVER-MOUNTED mechanical release device vents internal transformer pressures caused by electric arc or overload. It works quicker and more effectively than the present device that depends upon rupturing a diaphragm. It fits any transformer with a 9-in. handhole opening. Adapters can be used for fitting it to larger openings, if necessary.

The device withstands full vacuum for transformers designed for filling under a vacuum. A locking device is also available so tank can be pressure tested in factory or field. A roller latching arrangement locks vent tightly until the tank

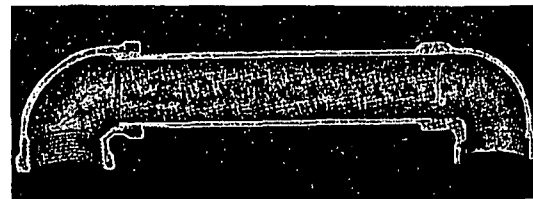
reaches pressure for which the device is set, when it trips the vent fully opened. It can be set for 10 psi, and tripping takes place within $\frac{1}{2}$ psi of this setting. A dome over opening prevents rain from entering transformer, even after it has operated. Resetting after operation is simple and requires no replacement parts other than new gaskets that can be made in field. Westinghouse Electric Corp, Box 868, Pittsburgh 30, Pa.

Test Instrument E30

DESIGNATED AS MODEL 100S electrical laboratory, this instrument is a complete test unit for electronic and electrical technicians in laboratories, shops or service departments. It combines the functions of over 60 separate instruments and contains six individual instruments, each with a complete set of ranges.

In addition to a wide variety of ac and dc voltage and current ranges, it has a multistage ohmmeter and a single-phase wattmeter. For extreme sensitivity, it has a 50 microammeter providing 20,000 ohms per volt on all dc ranges.

This electrical laboratory is adaptable for testing all electrical appliances, small motors, circuits, radio sets, etc. Simpson Electric Co, 5208 W Kinzie St, Chicago, Ill.



Malleable Brazed Fitting E33

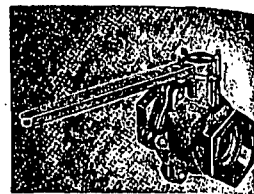
FLAC-FLOW TUBELESS FITTING is the first black malleable fitting ever produced for brazing to steel or wrought-iron piping. Brazed into machined socket in fitting, piping end is flush with shoulder.

Photo contrasts streamlined fitted joint (right) with screwed joint.

To insure streamlined fluid flow, outside of pipe end is clean and surfaced by special

Cooling Tower E31

INDUCED-DRAFT COOLING TOWER is of cell-type construction for easy erection and maintenance. It is equipped with multiple fans. New features permit compactness, low pumping head, and automatic control of off-peak loads. Metallic connectors and tie-rods are concealed. Towers are available in sizes from 75- to 2000-gpm capacity. Refrigerating Machinery Co, 525 Market St, San Francisco 5, Calif.



Ball Valve E31

ROCKWOOD BALL VALVE is for service on pipelines where full flow, tight seal and quick opening or closing is desired. The floating ball in combination with resilient synthetic-rubber seat allows abrasive particles to be automatically wiped clear of seating surface without injury to ball or seat. When closed, pressure of fluid automatically positions ball against seat to form a tight seal. Proper alignment of ball and seat does not depend upon mechanical parts. Valve is available in bronze with screwed ends in all pipe sizes from $\frac{1}{2}$ to 2 in. for 150-psi working pressure. Rockwood Sprinkler Co, 38 Harlow St, Worcester 5, Mass.

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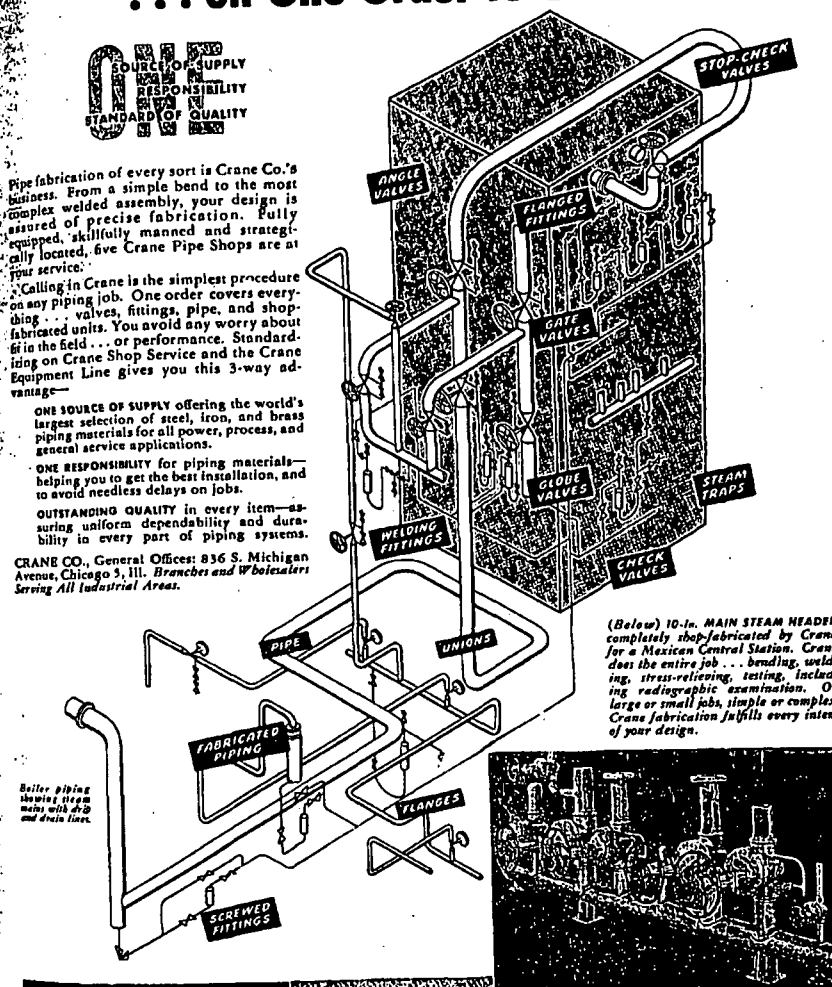
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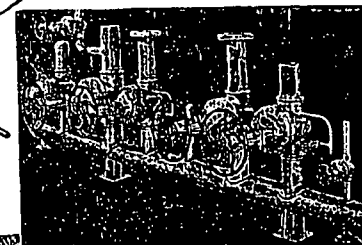
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OUTSTANDING QUALITY in every item—assuring uniform dependability and durability in every part of piping systems.

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(Below) 10-in. MAIN STEAM HEADER completely shop-fabricated by Crane for a Mexican Central Station. Crane does the entire job . . . bending, welding, stress-relieving, testing, including radiographic examination. On large or small jobs, simple or complex, Crane fabrication fulfills every intent of your design.



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Use convenient reply cards on page 178a to secure additional information on these new equipment items. Please be sure to identify your request with the new-equipment key letter, E, and number, as shown on the items above.