

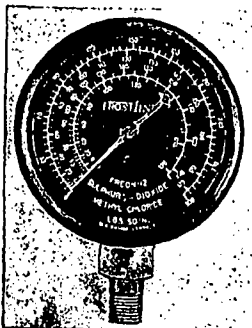
Equipment Continued

welding has been less widely used, rather than for larger pipe sizes.

Eliminating thread cutting, *Flag-Flow* suggests future economies by the use of thinner steel and wrought-iron piping, particularly for low-pressure applications.

Proposed applications include hot and cold-water lines, steam and fuel-oil piping, meter and instrument lines, boiler feed lines, lubricating-oil piping, gas and air piping, hydraulic systems not over 300 psi, radiant-heating coils, cut in concrete floor, and process piping where iron or steel pipe is applicable in industry.

Normally, upper limits are 150-psi working steam pressure at 450 F., or 300-psi for noncheck oil, water or gas lines at 150 F. Stanley G. Flag & Co., 1421 Chestnut St., Philadelphia 2, Pa.



Pressure Gages

E34

New group of *FROSTLINE* gages are specifically designed for refrigeration industry. They include both high- and low-side instruments with or without a temperature equivalent dial scale. Design features include an adjustable pointer, large easy-to-read dials with 1-in. graduations, and luminous treatment of dials and pointers for greater legibility in semi-darkness. Available in sizes standard to the industry. U. S. Gauge Div., American Machine & Metals, Inc., Sellersville, Pa.

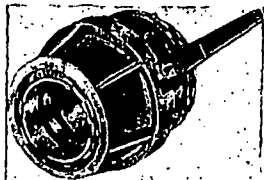
Electric Welder

E35

HORNET 36A motor-generator arc-welding machine is available in 200, 300, and 400-amp models. It is smaller in size and weighs one-third less than previous *Hornet* models. Welder is designed for either 220 or 440 v. Wilson Welder & Metals Co., Dept. 1609P, 60 E 42nd St., New York 17, N. Y.

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.

120 [115]



Trip-Proof Coupling

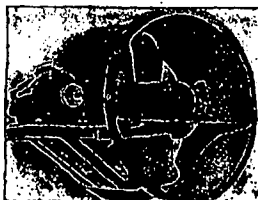
E36

POSITIVE SHUTOFF VALVE combines with quick pipe coupling by meshing a valve lever with locking collar of coupling. Valve must be in shutoff position before coupling can be broken and coupling must be locked to its mating nipple before valve can be opened. It is available in 2½-in. pipe thread sizes for handling chemicals, petroleum products and other liquids where spillage is not permissible or desirable. *Roylyn, Inc.*, 718 W. Wilson Ave., Glendale 3, Calif.

Compressor Control

E37

SOLENOID-OPERATED VALVE provides complete automatic control of water supply to water-cooled compressors. Solenoid valve is direct operated, it has no auxiliary pistons. It handles temperatures up to 400 F. and in some sizes will operate under differential pressures up to 150 psi. Connections can be arranged so that compressor will not start until water flow completes an electric circuit through an electrode mounted in the discharge line. If water flow stops while the compressor is operating, machine will stop immediately. *Johnson Corp.*, Three Rivers, Mich.



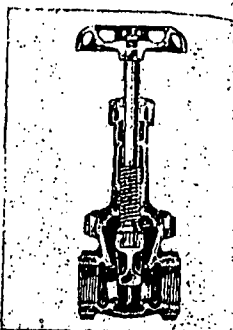
Booster Fan

E38

SEVEN DXB BOOSTER FANS are available in capacities from 2000 to 9500 cfm. Fan shafts and motors are ball-bearing mounted for smooth operation and long life. Fan is designed for either vertical or horizontal mounting. Blades are of nonferrous metal. All ratings are certified by the Propeller Fan Manufacturers Assn. *Chelco Fan & Blower Co., Inc.*, 1200 Grove St., Irvington, N. J.

Ac Voltage Recorder

PRODUCING A HIGHLY LEGIBLE RECORD, this instrument can accommodate as many as 16 different ac voltages on a wide chart. Unusual readability of scale reads from a depressed zero range that ignores lower portion of voltage scale, in which operator is not interested. It spreads voltages or kilovolts, which he needs to watch, across instrument's entire chart width. These ac voltage recorders are basically designed as metering element. Standard ranges are available to cover the usual transmission and distribution voltages. *Leeds & Northrup Co.*, 4934 Stanton Ave., Philadelphia 44, Pa.



Gate Valve

E39

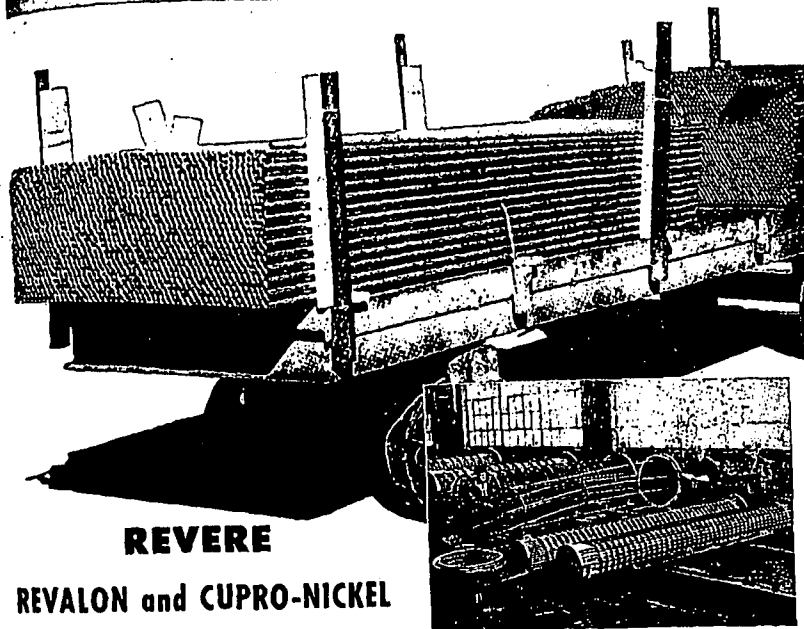
BRONZE GATE VALVE, Fig. 270-U, for 200 psi service, has a high-tensile strength bronze wedge seating against monel metal seat rings of a hardness of about two and one-half times that of the valve-body bronze. Seat rings are expanded into body and are equivalent to integral faces. Work is taken by the bronze wedge, which can be replaced by simply slipping it off the stem and putting on a new one. Thrust on manganese-bronze spindles are lesser and larger in diameter, which reduces wear to a minimum and insures easy operation. A deeper stuffing box holds more packing, prevents leakage, and assures frictionless spindle operation. Valve is available in sizes from ½ to 2 in. *Jenkins Bros.*, 50 White St., New York 13, N. Y.

Plug-In Panelboard

E41

PLUG-IN FEATURES of this panelboard permit easy and speedy removal or insertion of multibreaker units for future changes in circuit ratings, or for additional circuit breaker units are mounted on silver-surface

MEETING SPECIAL CONDITIONS



REVERE

REVALON and CUPRO-NICKEL

Because each condenser and heat exchanger presents its own special combination of conditions, no blanket recommendations for condenser tube alloys are possible. However, this much can be stated authoritatively: there are three Revere Metals which deserve special consideration in cases of limited or unsatisfactory tube life. Here they are:

Cupro-Nickel, 30%. Withstands high operating temperatures. A tenacious surface film forms on this metal, which resists impingement attack and erosion, salt water, and waters containing organic material. Widely used in marine and seaboard installations, the tropics and sub-tropics.

Cupro-Nickel, 20%. Similar to Cupro-Nickel, 30%, but lower in price and somewhat less resistant to certain types of corrosion.

Revalon (Aluminum Brass). This Revere Metal contains a small proportion of aluminum, which

gives it a long life in applications where water velocities are high or water is saline. The film formed on this tube is tenacious and self-healing, rendering it highly resistant to impingement attack.

Which of these types to select, or which of the five other types of Revere Condenser Tubes should be chosen, depends on individual conditions. The Revere Technical Advisory Service will gladly collaborate with you in arriving at a decision as to the most economical tubes for your plant.

REVERE

COPPER AND BRASS INCORPORATED

Founded by Paul Revere in 1801

230 Park Avenue, New York 17, New York

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