

NEW PLANT EQUIPMENT

Spreader Stoker E257

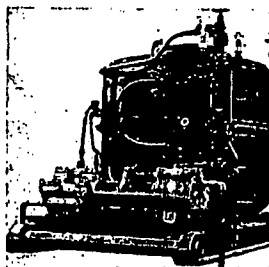
BITUMINOUS COAL-BURNING spreader stoker has (1) hydraulically operated coal pushers (2) an electro-hydraulic drive (3) sectional grate bars.

The electro-hydraulic drive has few moving parts and all operate in a bath of oil. An electric motor or steam turbine supplies power through a helical gear pump for hydraulic mechanism. A control valve regulates oil supply to the hydraulic cylinder, which in turn controls rate of coal feed. Flynn and Emrich Co., 301 Holliday St., Baltimore 2, Md.

Voltage Stabilizer E258

DESIGNED TO BE BUILT in as an integral part of electrical equipment, or for use as an accessory, the VR-6000 line assures precise ac line-voltage stabilization. The device stabilizes varying input voltage within 1/20 of a second, with an accuracy of plus or minus 0.5%.

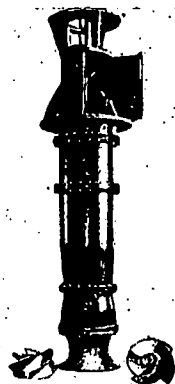
Stabilizers having the same voltage and frequency ratings may be connected in parallel for higher wattage output. It is available in standard catalog models or custom-engineered designs, with terminal panels or with cord plugs. Raytheon Mfg Co., Waltham, Mass.



Portable Boiler E259

SELF-CONTAINED, rugged portable natural-gas-fired boiler for oilfield service develops 15,000 lb per hr of steam at 500 psi. This 10-ton steam generator is just over 8 ft dia and 9 ft high. Its stack goes 7 ft above the boiler proper.

A gas pilot light ignites the natural-gas fuel. A built-in water pump driven by steam features the new equipment. Vapor Heating Corp., 4501 W 16th St., Chicago 23, Ill.



Axial-Flow Pump E260

LARGE-CAPACITY axial-flow pumps, designed to resist sea water and other corrosive liquids, are especially suited to condenser circulation and other services requiring low-cost high-speed pumping of large volumes of liquids. Impellers and suction bells are cast of 25% chrome, 12% nickel stainless steel. Pump shafts are 18-8 stainless. Column and discharge elbows are formed of a high-test cast-iron containing about 2% nickel. These pumps are best fitted for applications where any variation in head is a reduction, and where the resultant increase in capacity is not objectionable. Economy Pumps, Inc., Hamilton, Ohio.

Electronic Control E261

HIGHLY SENSITIVE CONTROLS with thermostat free of moving parts give a flexible air-conditioning system, says its maker. Basic units consist of a room thermostat, duct and immersion thermostats, an electronic modulating motor, and an electronic relay. Additional elements may be added with increase in size of area under control.

Operation of control comes from the fact that electrical resistance of a small coil of wire in the thermostat changes with change in temperature. This change is measured through tubes of an electronic relay and amplified to where it can operate control motors to position dampers and valves. Minneapolis-Honeywell Regulator Co., Minneapolis 8, Minn.

Check Valve E262

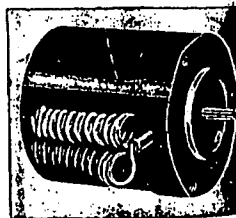
AIRCHECK VALVE is identical in design and construction with the company's Air Cushion valve found in hundreds of compressor installations. Installed in discharge line from an air or gas compressor, check valve prevents leakage of pressure through compressor during the off cycle. Valve guard and seat are firmly locked by a retainer ring that is easily assembled and taken apart. No screws or bolts to burn fast, no parts to jar loose and damage the cylinder. Valve disks and springs are of stainless steel. Entire unit is self-contained and operation is automatic. Pennsylvania Pump & Compressor Co., Easton, Pa.

Unit Heater E263

DIRECT-FIRED WITH GAS or No. 3 oil, Thermobloc operates at a reported 80 to 85% efficiency and gives out 550,000 Btu per hr. Unit takes up 30-in. dia. floor space and requires only fuel, electrical and exhaust gas connections. Thermobloc Div., Pratt & Daniel Corp., E. Port Chester, Conn.

Arc-Welder E264

AIR-COOLED, engine-driven, 200-amp arc welding machine has a welding range of 20 to 250 amp at 30 v, 50% duty cycle. For Special, a lightweight, easily handled equipment, carries two outlets for lighting purposes or to operate universal power tools. Dept A 1777 P, Air Reduction Sales Co., 60 E 42nd St., New York 17, N.Y.

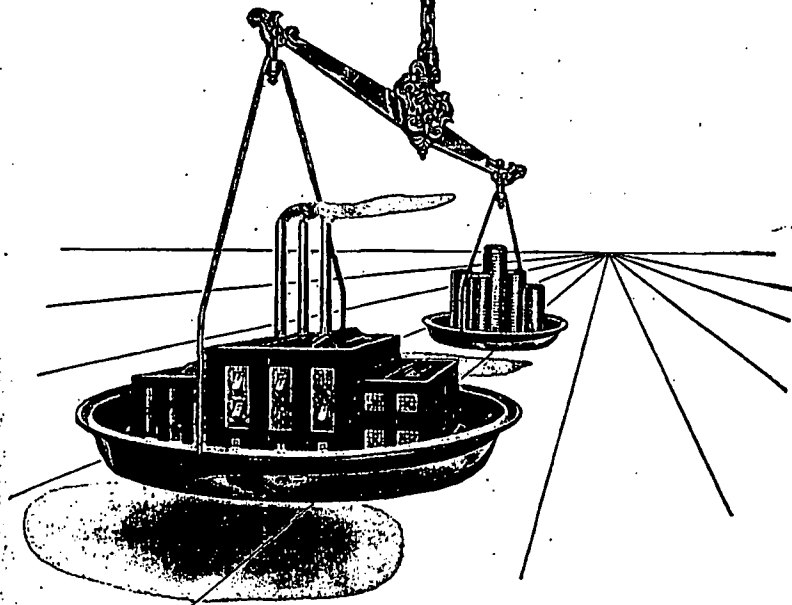


Miniature Motor E265

WEIGHING ONLY 7.5 oz., the motor acts as a dynamometer for low-value torque measurements, as well as its standard application as a follow-up motor. Objectionable backlash in a train of gears is reduced by having this motor apply constant torque.

The motor has maximum torque installed and operates continuously under these conditions without overheating. It can be reversed completely in 0.1 sec. It is available in two types: 3000 rpm, 115 v, 60 cycles; and 5000 rpm, 115 v, 60 cycles.

How much is a Boiler Plant Worth?



A boiler plant may cost up to any figure you wish to name.

But a boiler plant's worth depends entirely upon how efficiently it operates. For instance, how many or how few shut-downs you have may depend entirely on the effectiveness of your water conditioning service.

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