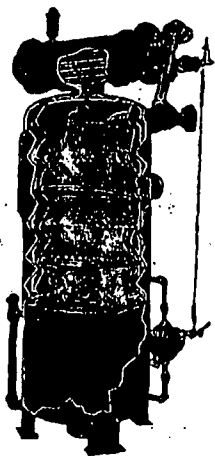


Stop Corrosion

caused by oxygen and carbon dioxide
in boilers, steam and return lines . . .

WITH NEW "SELF-CLEANING" STICKLE FEED WATER HEATER



The new Stickle Baffle Spray Type Feed Water Heater stops corrosion by removing destructive oxygen and carbon dioxide from boiler feed water . . . reduces fuel costs and boiler strain by preheating feed water.

SELF-CLEANING There are no loose baffles or trays to remove for cleaning or repair. "Self-cleaning" action takes care of small amount of lime and other minerals which may form.

OPERATION Feed water is sprayed upward against special hood, falls in mist on top baffle. Baffles are permanently installed. Semicircular, they extend in gradual slope to straight tapered serrated edge. Water cascades over edges in series of thin streams. Steam sweeps upward, carrying with it non-condensable gases. Vent condenser prevents steam waste.

CAPACITIES Capacity range in the various models is 3,000 to 300,000 pounds of preheated feed water per hour.

This Stickle unit is the latest development in more than 50 years of building feed water heaters. It is engineered to individual specifications, and guaranteed to obtain predetermined results. Write for new folder S-217.

STICKLE STEAM SPECIALTIES COMPANY
2265 VALLEY AVENUE • INDIANAPOLIS 18, IND.



Open Coil Feed Water Heaters



Open Float Steam Traps



Differential Drainage and Boiler Return Systems



Regulating and Reducing Valves



More EQUIPMENT NEWS

All parts of the head are accessible for adjustments and repairs are easily made by the average mechanic with ordinary tools. Mir-O-Col Alloy Co., 812 N. Ave. 11, Los Angeles 31, California.

Stainless Steel Pump

1169 • New type stainless steel pump incorporates unique features of Vanton self-priming design that eliminates stuffing boxes, gaskets and internal valves. Particularly adaptable to extreme corrosive service and to the handling of goods in which contamination cannot be tolerated.

Pumps are available in capacities 1/3 to 20 gpm with discharge pressures to 60 psi and suction lifts up to 25 ft. Application data for service recommendations available from manufacturer on request.

Vanton Pump Corp., Empire State Bldg., New York 1, N. Y.

For more data on these items, use post card P. 163. Identify your request with item number.

Gas Sampling Pump

1154 • New type gas sampling pump never in contact with metal, eliminates stuffing boxes and shaft seals so there is no possibility for either contamination or leakage of gas. Pump uses eccentric shaft to rotor assembly that rotates inside and rotates a flexible liner. Gas trapped on liner surface and inner surface of liner block is "squeezed" progressively through the pump. Capacities range from 0 to 3500 cpm with discharge pressures from 0 to 35 psi and suction lifts to 22 in. Hg. Vanton Pump Corp., Empire State Bldg., New York 1, N. Y.

Hydraulic Pumps

1170 • Hydraulic pumps, fluid driven and transmissions with rotating piston design may be used as pumps or fluid motors interchangeably. Units are instantaneously reversible with equal performance in either direction of rotation. As pumps, displacements are 60, 120, 180 gpm at 1000 psi continuous, 1500 psi intermittent. Built in gears allow direct connection at 1200, 760 or 472 rpm. Use as fluid motors, units have ratings up to 300 hp and 19,000 lb-in. of torque at 1100 rpm manufacturer claims. Berry Division, Oliver Iron & Steel Corp., Pittsburgh 22, Pa.

High Pressure Filter

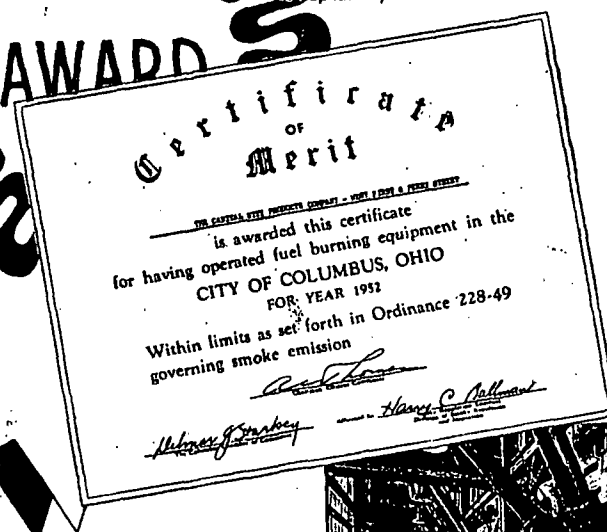
1137 • High pressure liquid and gas filters in standard units are available for working pressures up to 1000 psi. Pipe size for inlet and outlet connections are 1/2, 3/4, 1 and 1 1/2 in. Guaranteed degrees of filtration through Micro-Klean cartridges are 10, 20, 50 and 75 microns. Construction is of all welded steel with the head piece machined from bar stock. Cuno Engrg Corp., Meriden, Conn.

POWER • NOVEMBER 1953

Certified Smokeless Detroit RotoGrate Stokers . . .

Capital City Products Co. (Columbus, Ohio)

AWARD



This Detroit RotoGrate Stoker has been certified smokeless by the City of Columbus, Ohio. This certificate awarded by the Citizen's Committee, and affirmed by the Smoke Regulation and Inspection Division is proof of performance.

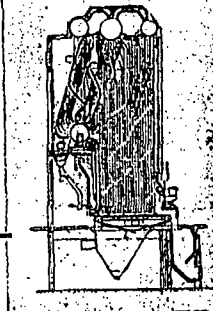
Detroit RotoGrate Stokers operate without smoke because of their many features of design including precise control of fuel feed, grate speed and air supply.

RotoGrate is a modern spreader stoker with grates that move slowly forward discharging the ash at the front. They burn any type of Bituminous Coal or Lignite . . . handle rapidly fluctuating loads with uniform pressure over long periods.

Have you a smoke problem? Or a problem of fuel cost? Ask for details on the RotoGrate. No obligation.



Detroit RotoGrate Stokers in the plant of Capital City Products Company, Columbus, Ohio.



DETROIT STOKER COMPANY

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Works of Monroe, Michigan • District Offices in Principal Cities