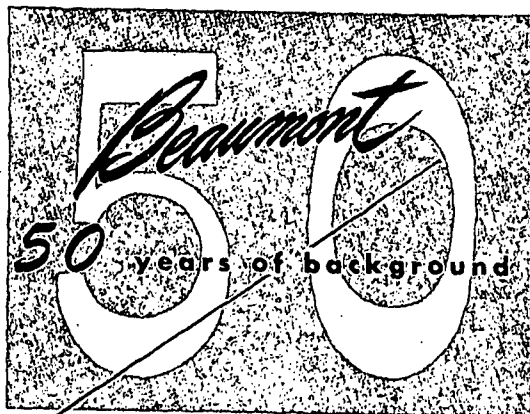




... assures you long service from a complete line of any type of Coal and Ash Handling Equipment

For half a century, Beaumont engineers have designed and manufactured bulk materials handling equipment of every conceivable type. The history of Beaumont equipment is one of reliable, efficient, long trouble-free service.

Many Beaumont firsts have resulted from this long experience in the development of equipment for the industry, and only Beaumont manufactures a complete line of all types of coal and ash handling equipment.

A few of the applications for which Beaumont is well known are:

COAL HANDLING—Skip hoists, bucket elevators, belt conveyors, feeders, larries, automatic scales.

COAL STORAGE—Cable drag scraper systems, steel bunkers, tile or concrete-stave silos.

ASH HANDLING—Hydraulic, pneumatic and mechanical systems; ash hoppers and gates.

CHEMICAL HANDLING EQUIPMENT—Abrasive resistant chains, duplex bucket elevators, rotary feeders, gates, etc.

INCINERATORS—Charging and ash gates, skips and conveyors.

Contact our engineers on your next materials handling problem, and ask for our catalog on the equipment you need. Their experience will be of value to you in the application of the correct equipment for the job.

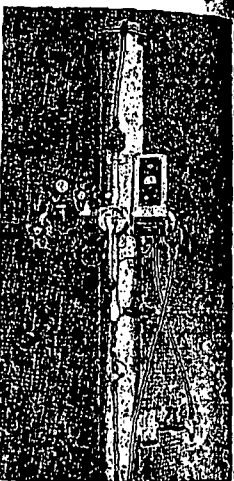
Beaumont BIRCH COMPANY
1502 RACE STREET, PHILADELPHIA 2, PA.
DESIGNERS—MANUFACTURERS—ERECTORS BULK MATERIAL HANDLING SYSTEMS

SHOWCASE

of New Equipment

Continued from page 250
water is discharged and warning lights on. A flick of a switch puts the unit through its regeneration cycle automatically. Penfield Mfg Co., Inc., 19 High School Ave., Meriden, Conn.

Zeolite Softener Cleaner
858 - Zeolone is used to clean and up the zeolite or resin bed in commercial or industrial water softeners. Manufacturer says it will loosen iron deposits, all other material that becomes trapped in softener bed. Cleaner can be used on softener that is regenerated with salt. Calgon, Inc., Hagen Bldg., Pittsburgh 30, Pa.



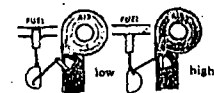
Mono-Column Demineralizer
110 - Penfield M-100 demineralizer has capacity of 4500 grains, is designed for use to 100 gph of high purity water. Unit requires only 2x2x7 1/2 ft. of space for installation and connection of influent and effluent. Raw water passes only once through the mono-column of mixed cation and anion resins; effluent is said to be mineral-free as triple-distilled water. Water intake can be controlled through a flow meter, purity of effluent is indicated on a purity meter. Regenerating equipment is an integral part of the unit, and regeneration takes less than hour. Effluent lines and all lines and valves dealing with corrosive regeneratives are plastic. Penfield Mfg Co., Inc., 19 High School Ave., Meriden, Conn.
Continued on page 262

9 REASONS WHY STEAM COSTS GO DOWN

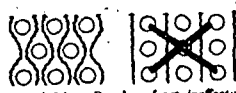
.....where Powermasters go in ...



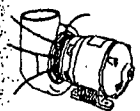
... with successive parallel paths ... single gas flow reversal at each end ... most efficient flue gas velocity and ... provides maximum maintenance, and requires no complex ... and belting.



Infinitely Variable Combustion Modulation—automatically maintains proper fuel-air ratio for most efficient firing at all loads. Instant response to load swings between 20% to 100% of firing rate saves fuel and assures constant steam pressure and temperature.



Staggered Tubes—Freedom from inefficiency boiler water additives assures quicker heating, faster steaming, and high quality dry steam. Scrubbing action of rising water prevents corrosive gas deposits on tube surfaces.



... provides most accurate control of combustion air supply; permits use of ... low-cost stack, fan and motor; requires less fan maintenance because no hot ... of combustion pass through the fan.



23% Guaranteed Minimum Efficiency with No. 6 oil. At less than full load, Powermaster efficiency actually increases! ASME field tests prove Powermaster's superior performance.



Easy Accessibility for tube cleaning and inspection is provided by swinging rear cover, and divided front cover that is readily removable without disturbing burner or accessories. Convenient handholes facilitate water-side inspection.



... keep fuel costs low and boiler efficiency high at all loads. Air-atomizing oil burner (left) and pre-mix gas burner (right)—designed by O&S expressly for Powermaster—provide complete, clean combustion over full firing range. Simple, sturdy construction with no moving parts, absence of vibration, and ease of cleaning minimize maintenance. Combination burner allows quick change from one fuel to another.

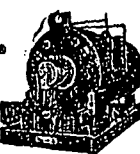


Compare Powermaster, feature by feature, with any other package boiler and you'll readily understand why it is so widely used in industrial plants, dairies, hospitals, laundries, schools, public buildings, housing projects, institutions, and many other applications ... and adding new users at a rapid rate.



Send for this NEW BULLETIN
Describes and illustrates all cost-saving features of the modern, completely assembled, and factory fire-tested Powermaster. Ask for Bulletin 1219 on your company letterhead, stating your steam requirements and operating conditions.

Powermaster
PACKAGED AUTOMATIC BOILERS
In sizes to 300 HP; pressures to 250 psi.



ORR & SEMBOWER, INC. - Established 1885 - 850 Morgantown Road, Reading, Penna.