

A "National" installation for American Cyanamid Co. plant at Bridgeville, Pa.

ASH REMOVAL the NATIONAL way assures you low-cost, dependable service

Are ash removal costs a factor in cutting your profits? We suggest a survey by a National engineer. It will cost you nothing. It may avoid wasted dollars.

NATIONAL PNEUMATIC STEAM ASH REMOVAL SYSTEMS

save money in two ways—

1. Exceptionally easy one-man operation cuts labor cost to the bone.
2. Maintenance costs are surprisingly low because rugged NATIONAL construction results in maximum life for parts.

A complete and effective service policy and a reputation for delivering satisfaction are extras that go with NATIONAL installations.

NATIONAL CONVEYORS COMPANY, INC.

50 CHURCH ST., NEW YORK 7, N.Y.
Manufacturers of the National
Chipveyor System for Metal Turn-
ings—Turned Doors—Feeders—Ash
Gates and Related Equipment.

More FREE BULLETINS

Begin on page 143

and accessory information. Bulletin GEA-5039, General Electric Co., Schenectady 5, N. Y.

28 Centralized instrumentation—and the equipment required featured in 38-page, 8-color booklet. Photos and full description of various items. Bulletin 85-15, Minneapolis-Rosemount Regulator Co., Wayne & Windrim Ave., Philadelphia 44, Pa.

29 Gas analysis—apparatus covered in 48-page catalog. Photos and descriptions for various equipment items and accessories. Catalog 81, Burrill Corp., 3233 Fifth Ave., Pittsburgh, Pa.

PIPING, VALVES, FITTINGS, ETC

30 Steam trap service—guide covers testing and preventive maintenance, inspection and repair trouble shooting in 8-page, illustrated booklet. Bulletin 333, Armstrong Machine Works, Three Rivers, Mich.

31 Gate valves—all-iron and iron body-bronze mounted, shown in 4-page, 8-color circular. Photos, cutaways, full specs. Circular 553, Lunkenheimer Co., Cincinnati 14, Ohio.

32 Combination air-release-inlet valve explained in 4-page bulletin. Cutaways, sectional drawings, full specs. Bulletin 1203, Simplex Valve & Meter Co., 58th & Upland St., Philadelphia 43, Pa.

33 Blow-off valves—and proper methods of preventive maintenance covered in 8-page, 8-color folder. Varnall-Waring Co., Mordial Lane, Philadelphia 18, Pa.

PRIME MOVERS & ACCESSORIES

34 Direct electric sets—and their applications featured in 8-page, illustrated booklet. Form 2068, Caterpillar Tractor Co., Peoria, Ill.

35 Gas, diesel—and combination engines, atmospheric and supercharged and with ratings from 500 to 2500 hp, featured in 16-page booklet. Photos, cutaways, dimensional drawings and full specs. Bulletin 1-71, Cooper-Bessmer Corp., Mt. Vernon, Ohio.

36 Oil and dual-fuel—diesel and high compression spark ignition engines discussed in fully illustrated bulletin series. Bulletins 8-500-B85, 8-500-B84, RP-408, RP-451, Worthington Corp., Buffalo 6, N. Y.

37 Catalytic exhaust—a device for removing carbon monoxide fumes and odors from all types of gasoline-powered equipment, described in 4-page, illustrated folder. Oxy-Catalyst, Inc., Wayne, Pa.

PUMPS

38 Multi-stage—centrifugal pumps featured in 18-page, 8-color booklet. Photos, cutaways, dimensional drawings, performance data and full specs. Form 1881, Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.

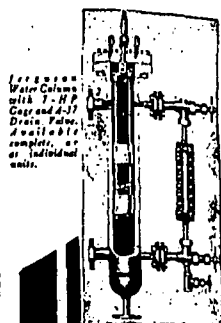
39 Small industrial pumps and general purpose pumps covered in two 8-color, 18-page catalogs. Service and operating data, special features, dimensions and parts diagrams, performance curves and mounting styles and modifications included. Catalogs 101, 102, Tuthill Pump Co., 329 B 58th St., Chicago 19, Ill.

40 All-purpose pump, model 108, described in 8-color brochure. Details of pump and switch operation shown with sectional drawings and specs. Circular 111, Kenaco Inc., 1125 N. Ridge Rd., Lorain, Ohio.

41 Standard and suction centrifugal pumps discussed in 4-page bulletin. Photos, performance curves, specs incl. Bulletin W-400-B4, Worthington Corp., Harrison, N. J.

WATER TREATMENT

42 Industrial filtration equipment discussed in 4-page, illustrated bro-



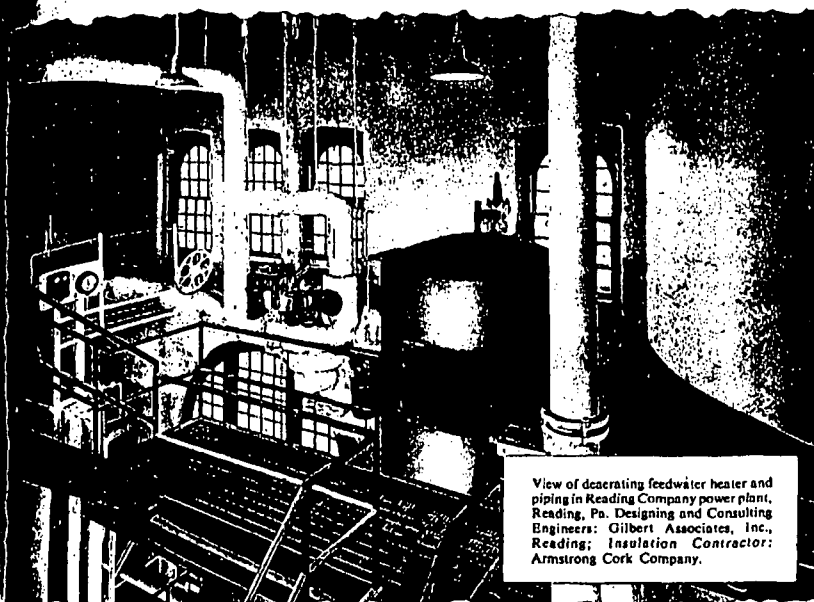
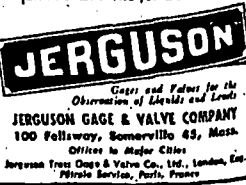
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Holds Key To Outstanding
Jerguson Performance

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Positive action is necessary when boiler water level falls too low or rises too high in your boiler. Jerguson's camshaft arrangement exerts sufficient force to give the power to assure action under all conditions. The warning whistle blows immediately when the limit is reached in either direction.

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View of deaerating feedwater heater and piping in Reading Company power plant, Reading, Pa. Designing and Consulting Engineers: Gilbert Associates, Inc., Reading; Insulation Contractor: Armstrong Cork Company.

"Featherweight" 85% MAGNESIA

USED IN MODERNIZATION OF READING COMPANY POWER PLANT

When the Reading Railroad recently modernized its repair shop power plant, "Featherweight" 85% Magnesia was extensively used. The illustration above shows some of the piping and feedwater heater which was covered with this dependable insulation.

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efficient insulator for a lifetime, too—unaffected by vermin, moisture, vibration, or temperature change. It is made in various shapes and thicknesses for easy application over any equipment or piping.

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