

slightly greater resistance to air flow for longer contact with the filter media. Rated at 700 cfm, cell is recommended for odor removal applications other than those in typical comfort conditioning systems. Bulletin 117-C.

Airfoil Centrifugal Fan
807 • New type non-overloading centrifugal fan is over 90% efficient with only 1/3 the noise intensity of previous models. Designed especially for industry, power, and commercial needs, the new fan ranges in wheel sizes from 40% to 108% in diameter and can deliver up to 600,000 cfm. Westinghouse Electric Corp., Sturtevant Div., 200 Rendville St., Hyde Park, Boston 36, Mass.

Ventilator
1019 • Combining high capacity, weather proofing, quietness and high efficiency with simplicity of installation, new power driven fan ventilator may be used either as an exhaust ventilator or a fresh air supply unit. Sizes range from 12 to 60 in., with either direct motor drive or V-belt pulley drive. Burt Mfg Co, Dept PO, Akron 11, Ohio.

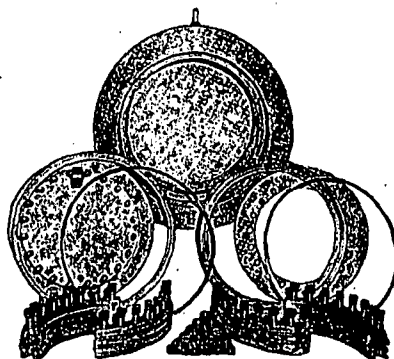
Aluminum Tubes
1227 • For the petroleum, chemical and power industries, new low-cost heat exchanger tubes are made by longitudinally butt welding Alclad 35-H12 aluminum alloy sheets, rather than drawing seamless aluminum tubes. It is claimed that in the two standard sizes now available, 1-in. outside diameter with 0.049 and 0.065-in. wall thickness, welded aluminum heat exchanger tubes cost 20% less than seamless aluminum tubes and substantially less per foot than tubes of other commonly used metals.

Aluminum Co of America, 801 Gulf Bldg, Pittsburgh 19, Pa.

Internal Downflow Purifier
930 • Dirt, moisture, riser discharge and solids are removed before passing on in solids distribution piping by this new internal downflow purifier. It is installed in an auxiliary tank immediately above evaporators, packed towers, deodorizers, stills, bubble-cap towers and inside steam drums, flash tanks, receivers and other vessels. H&F purifiers are guaranteed to boiler industry to deliver vapor with 1.0 ppm or less of total solids. In other applications they remove 99% of all entrainment. The V D Anderson Co, 1935 W 96th St, Cleveland 2, Ohio.

INFORMATION PLEASE!

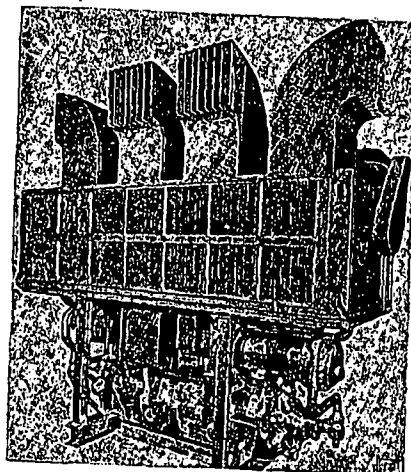
Send in free cards on pages 223, 249 for additional data.



Heater Closures

934 • New closure for high-pressure feedwater heaters and other high-pressure equipment has two main features: (1) All hydrostatic end load is removed from the screwed fastenings. (2) The locking device plus the screw fastenings are ex-

ternal to the gasket seal and thus protect from the corrosive effect of the contained fluid. Closure is easily and rapidly mounted and reassembled for periodic inspection and maintenance. American Locomotive Co, Alco Products Div, Dunkirk, N. Y.



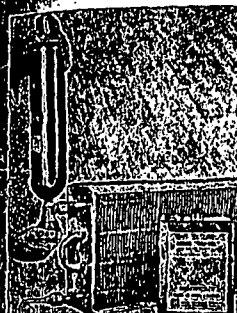
100-Ton Packaged Air Conditioner

1044 • New 100-ton packaged air conditioner has three chief advantages: (1) Reduction of field labor. Its refrigeration piping is factory fabricated and tested. (2) Compactness. It produces one ton of refrigeration for each 0.76 sq ft of floor space and weighs only 140 lb per ton of refrigeration. (3) Flexibility. It can be used in multiple or moved if need be. Unit consists of 3 main parts: condensing

section, air handling section and air discharge section. Unit is also available with one- or two-row heating coils with a capacity up to 1,450,000 Btu per hr for winter air conditioning. Dynamically balanced, unit causes no noticeable vibration, needs no foundation and can be placed on floor or roof. Airtemp Construction Corp, Dayton, Ohio.

Air Conditioner

1226 • Apparatus dries or moistens streams of air by the "liquid contact method." Relative humidity and temperature are fixed independently in this unit. Filtered fresh air enters a spray chamber that either adds or removes moisture by absorption or condensation. Temperature or absorbent concentration of the spray liquid determines the content of air leaving the chamber. Moisture is fixed separately, either in- or outside the apparatus. Blower Co, 405 Lexington Ave, New York 17, N. Y.



Mechanical Coil Flusher

1026 • Mechanical refrigeration coil flusher, Dri-Sol gun forces solvent through lines and coils under pressure up to 500 psi. New solvent is non-toxic, non-flammable at temperatures below 150 F, and readily attracts moisture. It effectively dissolves sludges, wax deposits and other foreign material, and is recommended for Freon and methyl chloride systems. Ansol Chemical Co, Refrigeration Div, Marinette, Wis.

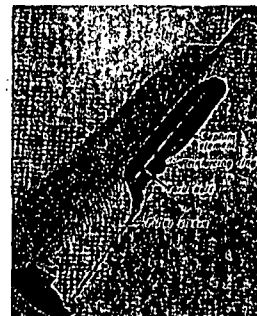
Air Dehydrator and Filter

563 • Dehydrating and filtering ordinary plant air in Model D-30-D Condensfilter is said to provide "instrument quality" air. Filtering unit is made of wire mesh, with securely attached flannel. Cartridge has a metal fin design that provides 540 sq in. of filtering area. When filter becomes dirty, entire cartridge can be quickly replaced. Condensing unit has a 400 sq in. surface area. Accumulated condensate is discharged through the trap valve, which has a float-actuated, snap action. Hamilton Corp, 269 Baltimore Bldg, 951 Banksville Rd, Pittsburgh 16, Pa.

Universal Air Vent

218 • Radiator valve will vent water or steam systems automatically. Valve can be cleaned of leak-sealing compounds or minerals without draining water system. Hydroscopic fibre discs open to allow air to vent, close against steam or water. Selector screw controls rate of venting. Hoffman Specialty Mfg Corp, 1001 York St, Indianapolis 7, Ind.

The Showcase of New Equipment



Duct Booster Fan

863 • Heavy-duty belt-driven fan has motor outside air stream. It can be used in heating and ventilating systems, large range hoods and paint spray booths. Unit handles air at temperatures up to 350 F. Sizes available from 16 to 36 in., with unit output from 2700 to 23,000 cfm. Chelsea Fan & Blower Co, Inc, 639 South Ave, Plainfield, N. J.

Filter Element

501 • Water filtering element consists of heavy-built corrosion-resistant core on which is mounted a double-strength Vinyon sleeve. Advantages claimed for this element are low head loss, quick and thorough cleaning characteristics, resistance to accidental damage. General Filter Co, 923 Second St, Ames, Iowa.

Packaged Water Chiller

560 • Cold generator provides a single-unit source of large quantities of cold water for air conditioning and refrigeration systems requiring between 10 and 50 tons of cooling. Self-contained unit requires only simple water and electrical connections and eliminates complex installation and maintenance problems. Trane Co, La Crosse, Wis.

BOILERS AND AUXILIARIES

Hydraulically-Driven Stoker

969 • Fluid-Ram single retort underfeed stoker is hydraulically driven and controlled. Unit provides unobstructed access to fire, sitting and ashpit doors. Hydraulic fuel feed control offers an infinite range of fuel regulation, making the unit suitable for automatic combustion control where wide load range operation is desired. Erie City Iron Works, Erie, Pa.

Standard Control Panel

705 • Control panel for automatic heating and power equipment is said to guarantee proper mounting and wiring for commercial and industrial control, regardless of the fuel used.

Panels are supplied in standard assemblies for the most frequently used types of controls, and in custom-made assemblies for special needs. 230-v, 60-cycle current is standard. All controls, switches, instruments and gauges are mounted, wired and tested at the factory. A terminal strip is provided for field connections of the external wires from panel to burner-mounted controls. From Fireman Mfg Co, Cleveland 11, Ohio.

Packaged Boiler

620 • Type VP packaged water-tube boilers are designed to operate up to 250 psig with capacities from 4000 to 30,000 lb per

hr. Unit has two-drum, vertical-bent-tube arrangement with a high ratio of furnace wall cooling to furnace volume. Firing is oil or gas or combination. Automatic control system is standard. Combustion Engineering Inc, 200 Madison Ave, N. Y. 16, N. Y.

Refractory Anchors

918 • Newly developed refractory anchors give stronger, longer-lasting anchorages in both brick and monolithic construction. They are not cast but are made from high-

