

Have you a fly ash recovery problem?

Bring it to

WESTERN PRECIPITATION

... The Only Organization With Years
Of "Know-How" In BOTH Electrical
And Mechanical Recovery Methods!

If you have any kind of a suspension-recovery problem—whether dust, fly ash, fume, fog or mists—it will pay you to bring it to the leading organization in the field... **WESTERN PRECIPITATION CORPORATION**. Western Precipitation not only pioneered, over 44 years ago, the first commercial application of the now-famous **COTTRELL** Electrical Precipitators, but also has been a leader for many years in the mechanical recovery field with its widely-accepted **MULTICLONE** Collectors.

Result:

Western Precipitation is unsurpassed in the all-important factor of "know-how" in BOTH the electrical and mechanical fields... knows from years of first-hand experience whether your particular problem can best be solved by mechanical or electrical methods... or by a combination of the two... can give you a direct and unbiased recommendation on the matter... and then can provide the complete installation under one responsibility, one overall performance guarantee, even where Combination Multiclone-Precipitator (CMP) installations are made!

Western Precipitation products and services include...



COTTRELL

Electrical Precipitators

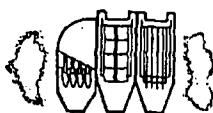
... the most efficient recovery equipment for high recovery, long life, low maintenance on practically any type of suspensions, wet or dry. Corrosion can be designed to handle a few a.f.m.—40 millions—with equal ease, and at virtually any operating temperature. Recovery efficiencies closely approach 100% recovery, if desired, with very low draft loss, minimum power costs and negligible labor cost. 89 all standards, Western Precipitation Corrosion plus highest recovery at lowest cost per year-of-service!



MULTICLONE

Mechanical Collectors

... the most efficient, most compact, most trouble-free mechanical equipment for recovering suspensions from gases. Because of their unique small-tube design, Multiclones are unsurpassed in mechanical recovery efficiencies—require less space, less maintenance, and are far simpler to install. No filters or screens to replace, nothing to burn or cause fire hazards, no high speed moving parts to repair or replace. These and many other advantages make Multiclone Collectors the logical choice on installations where mechanical recovery is selected.



CMP UNITS

(Combination Multiclone-Precipitator)

... combine, in one compact installation, both mechanical and electrical recovery principles to that maximum benefit is obtained from the advantages inherent in each method. The Multiclone section centrifugally removes the large and heavier suspensions (down to a few microns in diameter)... and the Cottrell section (the latter) electrically removes the very small particles remaining in the gas. Thus, the best of the recovery is obtained with relatively low-cost equipment, and the final clean-up is obtained with equipment having unusually high recovery efficiency—approaching theoretically perfect, if desired.

The recovery of suspensions from gases is a highly exact science and every problem is different. Some require mechanical methods—others electrical methods—still others a combination of mechanical and electrical methods. In proper balance to meet the individual requirements of each application. No matter what your problem, remember that only Western Precipitation has had years of field experience in BOTH mechanical and electrical methods!

Let our experienced engineers study your recovery requirements and make an unbiased recommendation on the equipment best suited to your particular problem. A wire, phone call or letter to our nearest office places this unique "know-how" at your service, without obligation.

MULTICLONES—T.M. REG.

WESTERN PRECIPITATION CORPORATION

ENGINEERS, RECOVERERS & SUPPLY CONTRACTORS OF ALL TYPES FOR COLLECTION OF SUSPENDED MATERIALS FROM GASES & LIQUIDS

Main Office: 1049 WEST NORTH STREET, LOS ANGELES 18, CALIFORNIA
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1429 PEACHTREE ST. N.E., ATLANTA 8 • HOBART BLDG., SAN FRANCISCO 4
PRECIPITATION CO. OF CANADA, LTD., DUNDAS ST. S.W., MONTREAL

Send for description literature!

The Showcase

of New Equipment

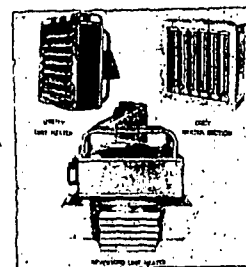
To assist in your modernization program, **POWER** here presents a showcase of new equipment. (new bulletin review starts page 251) important items which appeared in previous issues. For more information on any item, use cards on pages 223, 249

Cooling Tower Fan

445 • Class 7000 fans are furnished in two basic sizes: series 48, with 48-in. diameter hub, and series 72, with 72-in. diameter hub. They have any number of blades from 2 to 8, as dictated by performance requirements. Standard diameters up to 24 ft are available, with larger sizes on special order. The units are constructed of corrosion-resistant materials. Resilient blade mounting simulates a hinged joint, eliminates bending stresses at root of the blade.
Moore Co., Marceline, Mo.

Fuel Oil Heater

1241 • Type CF indirect gas fired oil heater is a combination steam generator and vertically mounted steam oil heater for use on No. 6 fuel oil systems. Automatically controlled gas flame generates low pressure steam in lower section of unit.
Davis Engrg Corp., 1062 E. Grand St., Elizabeth, N. J.



Electric Heaters

355 • Unit heaters and heating sections employing *Hynes* electric elements have wide range of sizes. Heaters deliver from 13,600 to 204,000 Btu per hr. sections from 25,500 to 204,000 Btu per hr. Discharges range from 235 to 3600 cfm.
L. J. Wing Mfg Co., Linden, N. J.

Gas-Fired Unit Heater

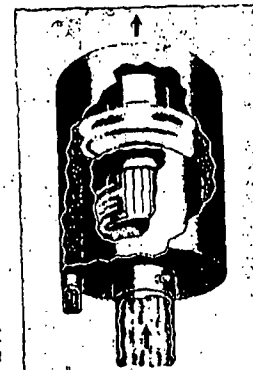
1156 • Six units range in capacities from 50,000 to 230,000 Btu per hr input. Heat exchanger is built like a boiler with its horizontal steel tubes staggered to provide maximum heat surface area. Continuous seam welding of end plates to sides gives airtight operation. Burner can be passed between tubes for cleaning.
Integral draft diverter allows back and down drafts to bypass the burner assembly without affecting normal operation.
The Trane Co., La Crosse, Wis.

Roof Ventilator

532 • Heavy-duty, high-velocity roof ventilator is especially well adapted for wind-downcase plant construction. Primarily used as exhaust fan, it can easily be adapted for fresh air supply. Sizes 12 to 48 in. 1300 to 20,000 cfm free air, 850 to 14,500 cfm at 1/2 in. static pressure. Bulletin 511. Chelton Fan & Blower Co., Inc., 639 South Ave., Plainfield, N. J.

Air-Recovery Cell

1043 • Dorex heavy-duty activated-carbon air-recovery cell, Type T-42 C, has a thicker carbon bed than the T-28 cell and



Heat Machine

140 • Adjustable vent for permanent installation or portable on-the-job use is featured in 166,000 Btu heat machine. Model VO-166 uses counterflow principle of spraying heat across floor areas in 6-ft thick blanket. Equipped with wheels for portability, unit operates from detached fuel supply, burns Nos. 1 or 2 fuel oil, has 10 gallon optional fuel tank.
Fagot Heat Machine Co., 5725 Mt. Elliott Ave., Detroit 11, Mich.

Industrial Heaters

556 • Self-contained industrial heaters range from 100,000 to 2,500,000 Btu per hr in heating capacity, and from 2000 to 25,000 cfm in air volume. Unit may be floor, wall or ceiling mounted, and set either upright or inverted when wall mounted.
Westinghouse Sturtevant Div., Dept T-535, 200 Readville St., Hyde Park, Boston 36, Mass.

Exhaust Head

651 • New exhaust head for industrial stacks cleans up exhaust steam and vapors discharged to atmosphere. Unit has no moving parts or filters. Entrainment laden vapor goes through a stationary centrifugal element. Dirt particles, sludge, oil and water are gulped outward to walls of purifier, and ejected out the drain. Dry steam discharges to atmosphere. Manufacturer guarantees 99% efficiency.
V D Anderson Co., Dept E11, 1935 W 96th St., Cleveland 2, Ohio.