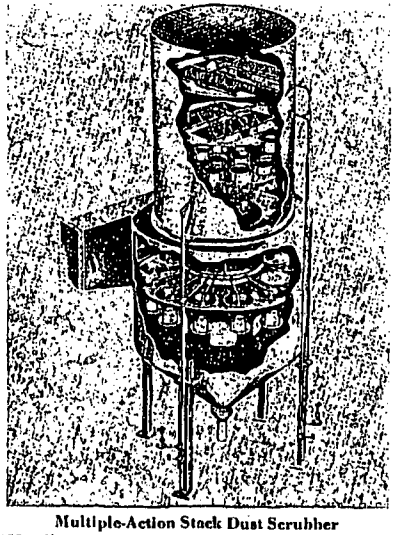
PLANT EQUIPMENT NEWS

Your information center for new products designed to solve plant proble

Published monthly as a service to



Multiple-Action Stack Dust Scrubber

452 · New system for controlling stack dust combines several principles of dust precipitation. Device is known as the liquid precipitator multiple-action scrubber (type V), has capacities from 1500 to 48,000 cfm. Height ranges from 14 ft 10 in., to 32 ft 10 in.

All dust removed is reduced to a watery sludge that can be discharged into a tank or pond. Recirculation can be used where water supply is limited. For best results, system requires 2 gpm of water at 40 to 50 psi for each 1000 cfm.

Among separation principles used in the scrubber are centrifugal and inertial separation, expansion, contraction and precipitation. Additional stages can be added for greater capacities.

Johnson-March Corp, Philadelphia 3, Pa.

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. Units operating at design pitch are said to provide uniform velocity from hub to tip.

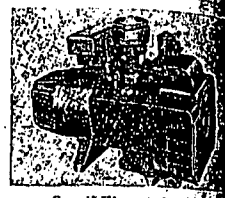
Moore Co, Marceline, Mo.

Transmission Belt

440 · New rubber transmission belt made with all rayon fabric is said to be 25% stronger and have up to ten times greater flex life than cotton fabric belts made with the same number of plies. Because the rayon plies are 30% thinner than cotton plies, manufacturer claims they flex easier over small diameter pulleys and more plies can be used.

Drivesall rayon fabric belt is designed for use on medium-duty drives for fans, blowers, air compressors, pumps, machine tools, mills, and special machinery.

B F Goodrich Co, Akron, Ohio.



Small Electric Plant

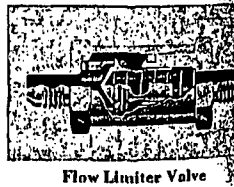
438 · Air-cooled, gasoline-powered [illegible] tric generating plant has vacuum [illegible] system. Centrifugal blower draws [illegible] through generator and over engine, and the same time discharges heated [illegible] an 8 by 12 in. side vent.

Model CW is available in 5 and 10 [illegible] capacities. The gasoline engines are [illegible] cylinder, horizontally-opposed, vacuum [illegible] cooled, 4-cycle type, developed exclusively for electric plant application.

Advantages claimed by the manufacturer include low initial cost, low operating [illegible] high output with reduction in size and weight per kw, simple installation, operation and maintenance, maximum safety.

D W Onan & Sons, Inc, Minneapolis 14, Minn.

For more data on these items, use post[illegible] p 165. Identify your request with item number.



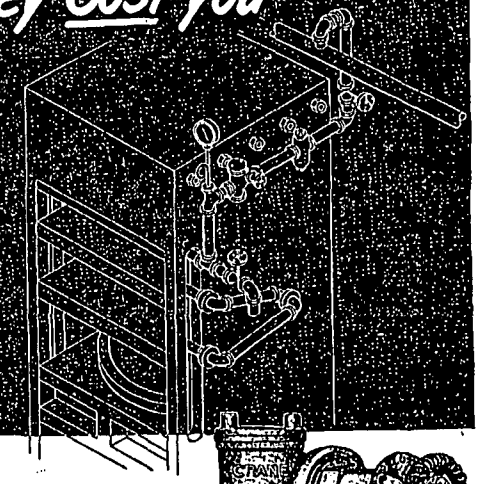
Flow Limiter Valve

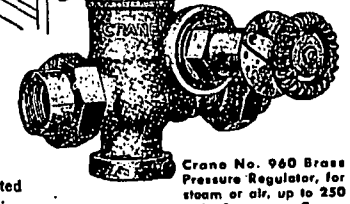
411 · Excess flow or flow limiter valve serves equally well as an automatic drain or dump valve. Unit can be pre-set to close when any given flow rate is reached. Spring actuated poppet controls flow. Spring yields instantly as pressure drop reaches desired maximum flow rate, causing a floating ring to seat between two conical surfaces. As an automatic drain or dump valve in system normally operating under pressure, valve is held closed by the pressure. When the system is shut down, valve automatically opens and allows drainage of any undesired liquid.

James-Pond-Clark, 2181 E Foothill Blvd, Pasadena 8, Calif.

(Cotinued on page 158)

It's not what you Pay for Valves
. . . it's what they Cost you
on Steam Heated Machinery
for example
(A Case History)





Crane No. 960 Brass Pressure Regulator, for steam or air, up to 250 psi. See your Crane Catalog.

What you pay for valves is not the final criterion of value. Not when maintenance can quickly equal or exceed purchase price. A thrifty buyer knows his maintenance; knows also there's bigger value in better quality.

Take the case at Dryden Rubber Division of Sheller Mfg. Corp., Chicago. More than 25 years ago, this plant started using Crane Pressure Regulators on steam lines to molding presses. 225 are in service today; many still are the original installations, still working faithfully. The records for all Crane regulators, regardless of age, show no maintenance cost other than prescribed periodic routine servicing.

Today, more than ever, you need greater assurance of quality in piping materials. You get it in Crane Valves—the recognized standard of quality with thrifty buyers everywhere. Your big Crane Catalog offers complete selections for all needs. Your Crane Representative is always ready to serve you.



CRANE VALVES

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