

**FREE...
for the asking
GET IT!!**

If you are responsible for the efficient operation of air conditioning equipment, send for a FREE copy of this handy little booklet.

It tells you what to do about time scale, how to get rid of it, how to prevent it from forming. And the booklet discusses that other enemy of efficiency... slime. Describes simple, low-cost ways to prevent it from fouling up lines, tanks and spray jets.

Other items of interest: Cleaning finned coils of air washers, cleaning aluminum plates and screens, descaling cold diffusers, cleaning filter screens.

For your free copy, simply drop us a line TODAY. Oakite Products, Inc., 18A Rector St., New York 6, N. Y.

OAKITE
SPECIALIZED INDUSTRIAL CLEANING
MATERIALS • INSTRUCTIONS • SERVICE

Technical Service Representatives Located in Principal Cities of United States and Canada

More APPOINTMENTS

Begins on page 236

power generation, having designed and supervised power installations in many parts of the world. Among them is the Voice of America Tangiers Station.

George B Bond is appointed to the newly created post of sales promotion manager of the Alemito lubrication equipment and Stewart-Warner Instrument Div of Stewart-Warner Corp. J F Dawson has been named engineer-in-charge of induction heating sales in addition to his former capacity as engineer-in-charge of induction heating design of Allis-Chalmers electronics section. Dawson succeeds J R Roe who resigned.

Cutler-Hammer, Inc. assigns M R Brice as division manager, industrial control sales. E W Peterson was appointed general sales manager of American Blower Corp., covering all divisions of the company.

Westinghouse Electric Corp. has appointed Victor D Kniss general sales manager of consumer products. Kniss formerly was general merchandising manager for the Firestone Tire & Rubber Co. Also promoted was Alfred E Lambert Jr., who has taken the post of New England manager of distribution apparatus sales for Westinghouse.

Harry L Smith Jr. is made staff manager product sales, for Aluminum Co of America; W T Mitman succeeds him as manager of sheet and plate sales. W S McChesney is new manager of foil sales.

At Kaiser Aluminum & Chemical Sales, Inc., Richard E Hanson is named assistant to the general sales manager. Wallace A Davidson becomes manager of the Kansas City office, and Donald F Sheridan is new branch representative of the Wichita, Kansas, sales outlet. W Lyle Sturtevant is appointed to the electrical conductor staff in the Chicago office.

Pete E Walker is appointed industrial sales engineer for the Parker Appliance Co., Cleveland, with headquarters in St. Louis, and William O Murray is named industrial sales engineer with headquarters in Pittsburgh.

Earle H Schlitt, formerly a project engineer for Wolff & Munier, contractors, New York City, has joined the air conditioning sales department of The Trane Co.

New Distributors

Builders-Providence, Inc. has established a service center in Seattle, Wash., headed by L W Armstrong. The territory covered includes Oregon, Washington and Western Idaho. Provinces of British Columbia and Alberta. The Seattle sales office and service center is located at 913 Arctic Bldg., Seattle 4, Wash.

The Parker Appliance Co. names the Ardun Supply Co., Tulsa, Okla., as a distributor of industrial tube fittings and tube fabricating tools. Headquarters are at 317 S Detroit, Tulsa, Okla.

An exclusive franchise for the sale of direct-fired heaters in Michigan, northern Illinois and northern Ohio has been given to Arnold A Kosarin & Associates, Detroit, by the National Heater Co. Location is at 604 Boulevard Bldg., Detroit 2, Mich.

Catawissa
PERFECT SEAL
Unions

HOT FORGED from solid rectangular steel bars, designed and produced for dependable, long-life service under the severest piping conditions!

**A TYPE FOR EVERY USE!
FOR ALL PRESSURES!
FOR ALL TEMPERATURES!**



Standard & Extra Heavy UNIONS

Available in screwed or socket weld ends, 1/2" to 24" sizes, 1/2" to 6000-lb. stress to 2".



ORIFICE UNIONS

With screwed or socket weld ends, 1/2" to 3000-lb. stress, 1/2" to 24" service.

MALE & FEMALE UNIONS

With steel-to-steel, bronze-to-steel, stainless steel-to-steel or orifice seats, 3000-lb. service only.

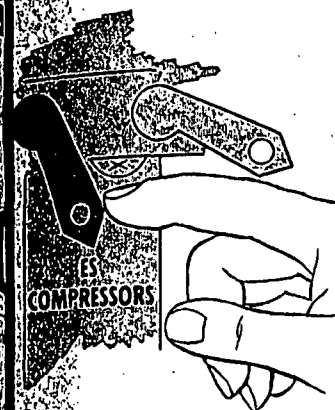
FULL STAINLESS & FULL ALLOY STEEL UNIONS

With screwed or socket weld ends, 3000-lb. stress, 1/2" to 24" service.

WRITE FOR CATALOG showing the complete Catawissa Perfect Seal products

CATAWISSA VALVE FITTINGS COMPANY
206 MILL ST. • CATAWISSA

Automatic Voting Machine Corporation casts its vote for ES COMPRESSORS



Voters in 29 different states and the Territory of Hawaii indicated their choice in the November elections by turning levers on machines made by the Automatic Voting Machine Corp. of Jamestown, N. Y. This company and its predecessors have been engaged in the development and production of automatic voting equipment since 1898.

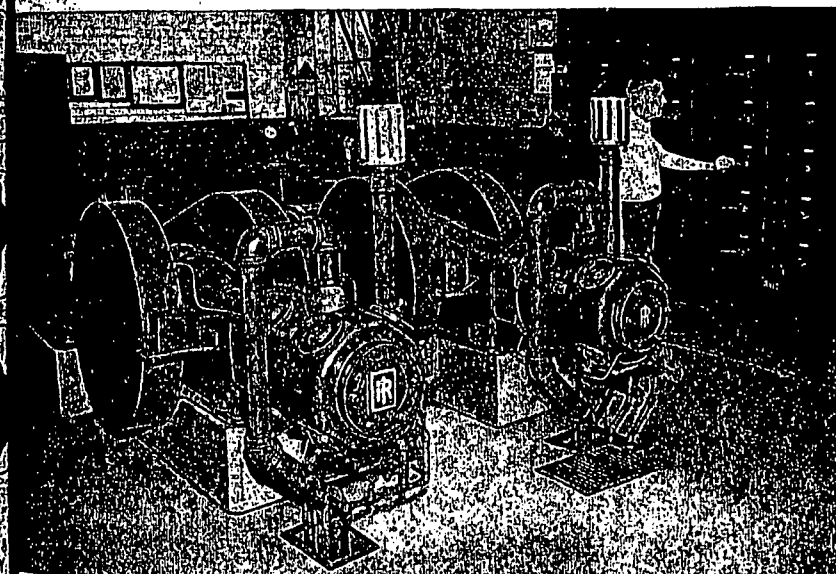
When it came to choosing a compressor to aid in its manufacturing processes back in 1934, this leader in its field chose the leader in the compressor field... Ingersoll-Rand's ES compressor. Satisfaction was proven when the company chose a duplicate ES compressor in 1947 to take care of its increasing air power needs. Both machines have been operating since that time, supplying compressed air to punch and drill presses and a variety of I-R air tools.

The ES compressor is designed to stand up under heavy-duty, 24 hour continuous full-load service over many years. Efficiency stays high; maintenance stays low. Sizes 5 to 125 hp with pressures from 5 to 150 psi.

The ES is of the double-acting crosshead type and is equipped with highly efficient, durable and quiet-operating Ingersoll-Rand Channel Valves.

Whatever your compressed air requirements, Ingersoll-Rand has a size and type compressor that will best serve your needs. A call to your nearest I-R branch will bring complete details.

Ingersoll-Rand
11 BROADWAY, NEW YORK 4, N. Y. 845-1



COMPRESSORS • AIR TOOLS • ROCK DRILLS • TURBO-BLOWERS • CONDENSERS • CENTRIFUGAL PUMPS • DIESEL AND GAS ENGINES