

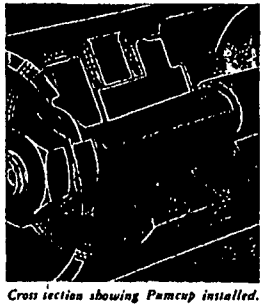
# "CHAMBER OF HORRORS"

## — for anything but a DARCOVA PUMCUP!

"HOW tough can life get", says ordinary packing inside this pump. Yet, year after year this pump is required to handle acid treated oil products from the base of a heated still to the next purifying process.

Ordinary packing would soon allow slippage to occur—but not Darcova Pumcups. Pumcups retain their efficiency even when severely worn. This installation has operated efficiently for over eight years.

No matter how tough your pumping problem may be, you can do it more efficiently and for lower cost with Darcova Pumcups!



*Cross section showing Pumcup installed.*

Write for free bulletin No. 4401 on how Pumcups can help solve your pumping problems!

DARCOVA — THE ORIGINAL COMPOSITION CUP

**DARLING VALVE & MANUFACTURING CO.**
WILLIAMSPORT 8, PA.

**PUMCUPS**




## More EQUIPMENT NEWS

Begins on page

put current flow. Ammeter is protected against damage by output short circuits. Ripple is within 1%.

Range is 0-5000 v dc, 0-5-10-50 and microamps. Special models can be furnished with ranges up to 7500 v and with 5 microamps to 2 milliamps.

Associated Research, Inc, 3796 W. Belmont Ave, Chicago 18, Ill.



### Remote Water Cooler

245 · Air-cooled model WAP7A stores and offices will supply 12.1 gal 50 F drinking water where inlet temperature is 70 F, room temperature 80 F. Water-cooled model WWP13 for factories where demand is heavier will supply 21.2 under similar conditions.

Water cooling chamber is brass with interior surface heavily tin-plated. Refrigerant coils are copper. Chamber is insulated by granular cork sealed in an air moisture-tight enclosure. All water-cooling parts are insulated to eliminate sweating, and the refrigerating elements carry a 5-yr guarantee.

Westinghouse Electric Appliance Div, 653 Page Blvd, Springfield 2, Mass.

For more data on these items, use post card, p. 167. Identify your request with item number.



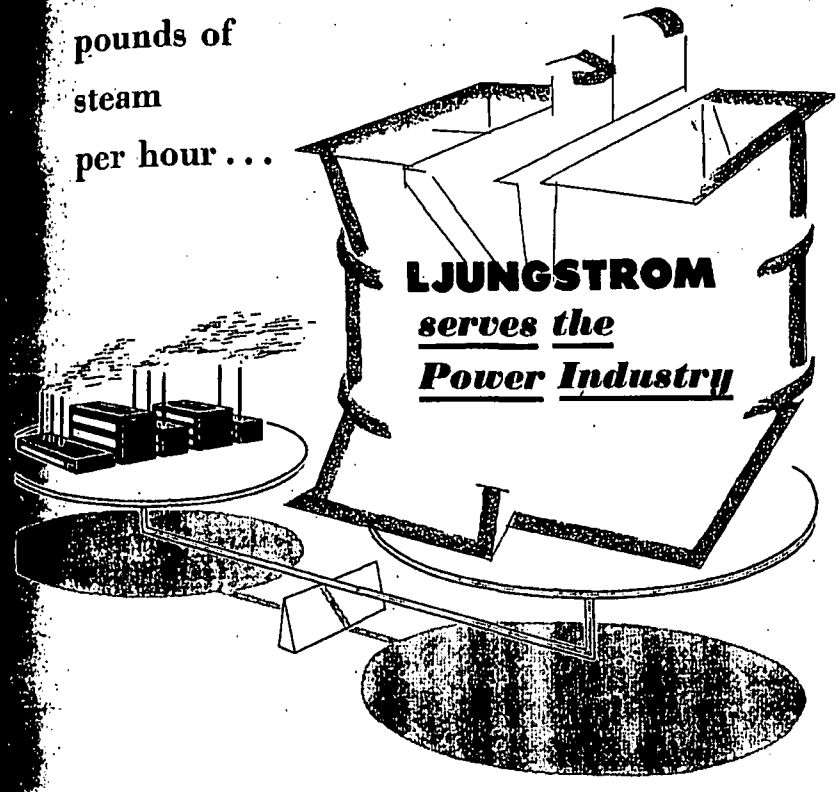
### Geared AC Aircraft Motor

246 · 2-hp 400 cycle, 3-phase ac aircraft motor, type GA is rated for continuous duty, has internal gearing that provides multiplied torque at low speeds for




# 347,000,000

## pounds of steam per hour . . .



## LJUNGSTROM *serves the Power Industry*

In the post-war rush to expand power generating facilities, utilities have not lost sight of the need for *operating economy*. Increasingly over these years, the fuel-saving, performance-improving potentials of the Ljungstrom Air Preheater have been realized — until today, nearly two out of every three power boilers are ordered with the specification "Ljungstom Air Preheater."

Since 1946 alone, in fact, more than 347,000,000 pounds per hour of steam capacity — installed or on order — have been designed for Ljungstrom.

This record speaks for itself. It proves that the Ljungstrom Air Preheater is, indeed, *the most efficient heating surface in the modern boiler.*

**The AIR PREHEATER CORPORATION**
60 East 42nd Street, New York 17, N.Y.