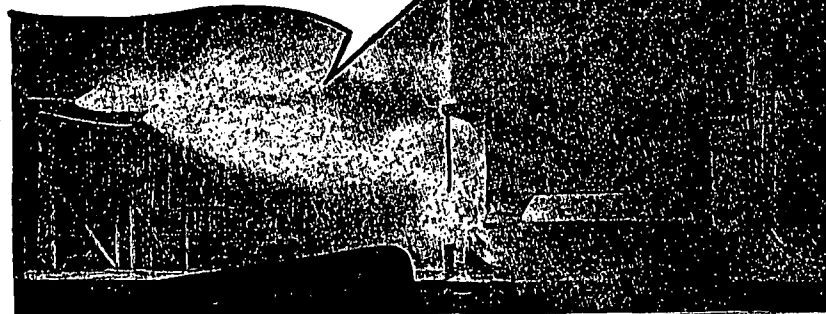


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... with this
Outdoor Motor



**Weather-Protected
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BEST WAY to solve a housing problem is to eliminate the need for housing! That's exactly what the Allis-Chalmers weather-protected motor does. It eliminates the need for a costly building ... costly in added capital investment, costly in upkeep, and costly in extended construction time.

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We know this weather-protected design can give you these savings ... plus dependable performance ... because we've tested it under extreme conditions. Take the 900-hp, 435-rpm, 4160-volt motor shown above. While running at normal speed and voltage, it was deluged with water at rates up to 40 inches per hour — driven by winds up to 75 miles per hour. This was done repeatedly from all angles. But on inspection, no moisture was detected on the

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And other tests checked its effectiveness in keeping out wind-driven fine sand.

Bulletin Describes Features

The construction features that provide this economical, super-splashproof performance are available in ratings for all major auxiliary drives. For more information, ask your nearby A-C representative for Bulletin 05R7874, or write to Allis-Chalmers, Milwaukee 1, Wisconsin.

ALLIS-CHALMERS



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Power

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HARD SURFACING, ever more widely used maintenance tool, is the timely subject of Power's second practical manual for readers responsible for plant operation. In its 16 pages (107-122), it tells what hard facing is and does, how to put it to work cutting your own plant's upkeep costs.

We figured a picture of hard surfacing would make a good cover but didn't realize how good until we saw artist Kent Day Coe's "roughs." Then we became as enthusiastic as he was, couldn't wait to see his finished water color. Watched over by art editor Charlie Marschalek and engraving specialist Eddie Ehrmann, it grew into 4 color plates under the skilled hands of engraving craftsmen in Bingham Photo-engraving Co's plant. We're rather proud of the final result, hope you like it too.

Next month ...

For answers to your questions on industrial TV, see Jim O'Connor's upcoming roundup. It explains how the various systems work, what TV can do in the plant, some of the factors you need to consider in applying it.

In paper and textile mills, new ways of trapping Blu's cut fuel cost, as an enlightening article shows. Can such "economizers" help you?

Top economy in industrial power comes from fitting the right turbine-generators into the right heat balance. An April article on automatic-extraction units tells how to handle the all-important selection job.

When you build a new plant do you remember past troubles, make sure to avoid them? Matt Jones did just that at Baylor Hospital, tells about the results in next month's PO&M section.

Judged by our regular reader surveys, you've liked past articles based on Allis-Chalmers slide films. We have another for you—this time on pump selection. Same picture presentation, same practical approach, lots of good pointers on applying pumps.

... and future months

We're readying a report on atomic energy, summarizing what four industry teams learned in studies under way some time. They're best available picture of commercial-power possibilities.

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