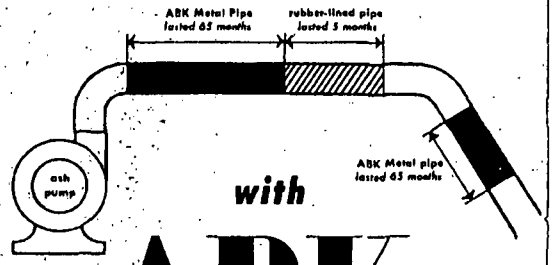
MORE than 10 TIMES the LIFE

in this ash system test



with

ABK METAL

THIS ash removal system was installed five years ago in a Midwestern power station. More than 100 feet of ABK Metal pipe and rubber-lined pipe were specified for the purpose of a comparison test. Results serve as one more illustration that ABK Metal outlasts other types of abrasion-resistant materials. For ABK Metal gave *thirteen times* the life of special rubber-lined pipe.

So the evidence keeps rolling in that ABK Metal is the most economical material for handling abrasive ash. Savings on replacement parts plus reduction in down time and maintenance add up to really worthwhile operational economies. ABK Metal minimizes the destructive wear of abrasive ash and clinker because of the controlled, uniform structure and extreme hardness of this nickel-chrome iron.

Don't let wet or dry ash abrasion steal your operating dollars. Specify castings in ABK Metal, an exclusive Brake Shoe product.

QUALITY CASTINGS IN ABK METAL.. MEEHANITE... DUCTALLOY

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AMERICAN Brake Shoe COMPANY

BRAKE SHOE AND CASTINGS DIVISION
530 Park Avenue, New York 17, N. Y.

More POWER NEWS

Begins on page 152

an all-out attack on our nuclear power program immediately, we may be deprived of foreign uranium ores with the result that our weapons potential will be smaller than need be the case. And so the two races—the atomic arms race and the nuclear industrial power race are strangely related.

"Once it is accepted that our uranium supply may be, to some extent, dependent on early success in the power race, it *should be quite clear that the stakes* are high. Once we become fully conscious of the possibility that power hungry countries will gravitate toward the USSR if it wins the nuclear power race, regardless of the aversion they have for tyranny, it will be quite clear that this power race is no Everest-climbing, kudos-providing contest.

"Until recently defense demands have limited large scale nuclear power efforts primarily to military propulsion projects, such as submarine reactors. But the world situation, as well as the evolving progress of reactor technology, now call for a great change of pace. With this in mind the Commission has decided that it is time for full-scale construction.

"There has been much talk and perhaps guarded criticism among some scientists and some industrial groups of the choice of the particular reactor design that we have selected for our first large-scale reactor. I might hazard a guess that part of this attitude was generated by the fact that the design chosen was inherited from a Naval project. Be that as it may, let me assure you that it was not selected at random but is one of several studied for some time and approved by the entire reactor fraternity—and in addition, that this particular reactor was much farther along than any of the alternate systems.

"Because of Westinghouse's previous experience with the reactor system chosen, they have been picked by the Commission as principal contractor for the development of this first power reactor. Private enterprise and private capital are invited to participate. The Commission will welcome offers from industry to invest risk capital in the building of the steam and turbine portions, as well as in the operation of the entire plant."

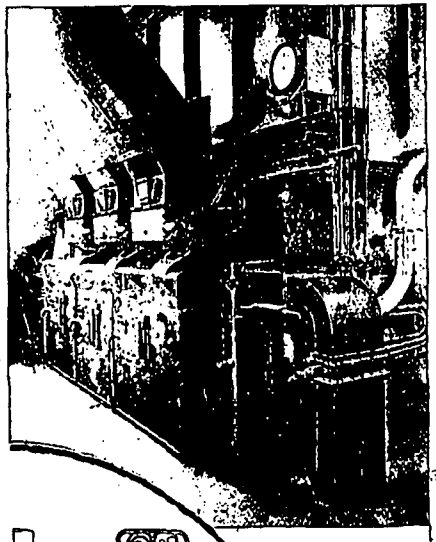
Institute of Power Engineers Hears Broad Technical Program

BIGGER AND BETTER than ever before tells the story of the annual convention of the Institute of Power Engineers and Canada's four-day Power Show, Oct 19 to 22, in the Royal York Hotel of Toronto. Main activities included seven tech-

24 hours a day 7 days a week



Detroit RotoGrate Stoker in Ladish Malting Co.



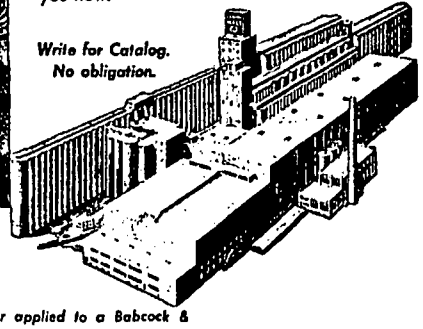
Exceptional reliability and very high availability are an utmost necessity in malting plant operation.

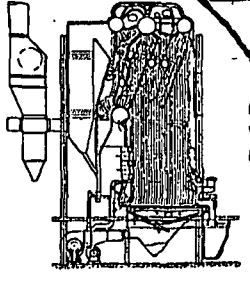
Enormous quantities of steam are needed in the Jefferson Junction, Wisconsin, plant of the Ladish Malting Co. for power and process. Ten million bushels of malt are manufactured annually. Steam generating equipment operates 24 hours a day and 7 days a week.

Difficult firing problems are always best solved by the use of Detroit RotoGrate Stokers.

Why not let them start saving money for you now.

Write for Catalog. No obligation.





Detroit RotoGrate Stoker applied to a Babcock & Wilcox—4 drum Stirling Boiler with Superheater and Economizer Capacity 75,000 pounds. 410 psi 600° F.

DETROIT STOKER COMPANY

GENERAL MOTORS BLDG., DETROIT 2, MICH.

WORKS IN MONROE, MICH.