Let the Fish Li



UNTIL THEY'RE CAUG

You can now handle any daily ash tonnage hydra ally, without the slightest hazard of stream pollu tion, which is forbidden by the laws of many state and by legislation under consideration in others. The self-contained flow of water and ashes in the Recirculating Hydrojet System has no discharge or overflow outside the system, aside from the ashes when unloaded from the Hydro Bin into railroad cars or trucks. These ashes are commercially dry and contain only enough moisture to prevent dust escape. Thi being the only moisture to leave the enclosed circuit, becomes the only make-up. Our repre sentatives have new Engineering Drawings which illustrate this Hydrojet Hook-up. They will gladly call on you any time to explain how the syste can be applied to new or existing installations.

NON-POLLUTING Hydrojet

ALLEN-SHERMAN-HOFF CO., 227 S. 15th ST., PHILADELPHIA 2, PA. Offices & Representatives in Principal C

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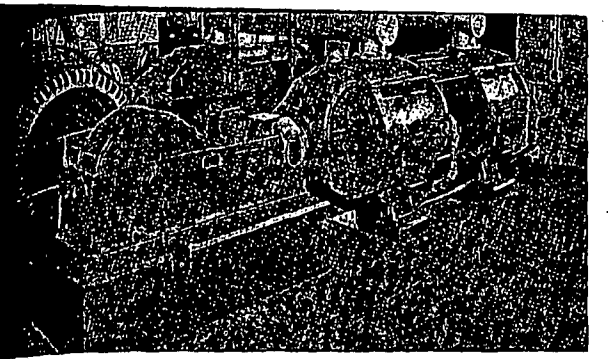


Worthington 32 x 16 Twin Tandem Vacuum Pump at Buffalo Electrochemical Co. Inc.

Triples the Run

Hydrogen Peroxide is manufactured by Buffalo Electrochemical Co. Inc.

Originally, vacuum pumps of the slide-valve type were used, and these were imported from Switzerland because no other pumps were available in this country that could meet specifications at a reasonable price. During the war—at the very time production requirements expanded—the Swiss pumps were unavailable. So BECCO engineers made a thorough study of all domestic pumps to determine which make would handle the highly oxidizing and corrosive gases with the least possibility of failure.

The result of the investigation was the selection of a Worthington 32 x 16 twin-tandem, two-stage, four-cylinder dry vacuum pump. The reason for the selection was chiefly the simplicity of the Worthington Feather* Valve, the lightest, tightest, quietest ever made.

Although the installation was considered experimental, inspection following the initial 10-week run showed that its performance exceeded that of the original Swiss pumps. Since then, the Worthington pump has operated on regular 10-week periods between inspections and cleaning, as compared with previous 3-week periods.

The pump is rated at 5571 cfm displacement—approximately 20% larger than other existing pumps—and is suitable for handling vacuum down to 0.25 in. Hg absolute. The guaranteed vacuum on blank suction of 0.25 in. has been exceeded.

Reg. U.S. Pat. Off.

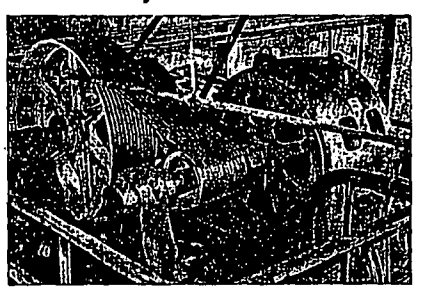
All Quiet on the Clay Machine

A chain drive to a 150 hp clay machine in an Akron, Ohio, plant had been annoying workers with its noise and keeping maintenance men busy with repairs. Each case of break-down involved work interruption for at least a dozen men.

To replace the chain drive, a Worthington Multi-V-Drive was installed—14.5 in. QD driver sheave and 58.0 in. QD driven sheave with 12 Worthington-Goodyear Steel Cable V-Belts, 3-D Section.

This unit is driving a line shaft transmitting 150 hp from flat belting to two pug mills which operate one at a time. The drive is designed to meet this changeover in operation. The drive motor is rated at 300 hp.

The job was installed and operating seven and one-half hours after arrival at the plant.



Worthington — Goodyear Multi-V-Drive on clay machine (pug Mill) in Akron plant.

NEWS

FROM THE POWER FRON

AS REPORTED BY THE DEVELOPMENT ENGINEERS FIELD SERVICE REPRESENTATIVES AND CUSTOMERS OF WORTHINGTON

THINGTON PUMP AND MACHINERY CORPORATION, HARRISON, N. J.