

NO ARTIFICIAL HEAT REQUIRED

New Way to Dry Grain

Construction plans for a first-of-its kind grain dryer, located at Mt. Vernon, Ohio, were being finalized as this issue of FARM SHOW went to press.

The new way to dry grain, introduced by Edward Rebovich Co., headquartered at Jefferson, Ohio, uses dehydration to wring moisture out of corn or other grain. It can also be used to dry hay. Regardless of moisture content of grain going into it, no artificial heat is required, Edward Rebovich told FARM SHOW.

Key components of the new drying system are: A large dehumidifier, a mechanical stirring device which continually stirs the grain, and non-porous fiber glass reinforced plastic walls which allow total control of moisture and temperature levels.

The dehumidifier, an industrial type commonly used to keep large buildings at constant relative humidity, draws moisture from the grain through the use of a desiccant material which attracts water vapors.

High moisture grain (up to 30% moisture) is emptied into the structure directly from the field. The mechanical stirring device provides even mixing and drying of the grain. "The dehumidifier draws moisture from the grain as fast as nature will release it. Because no artificial heat is used, there is no damage to the grain due to overheating," says Rebovich.

He points out that the new-style dryer physically removes unwanted moisture and, at the same time, creates a temperature rise which partially heats the inside of the building

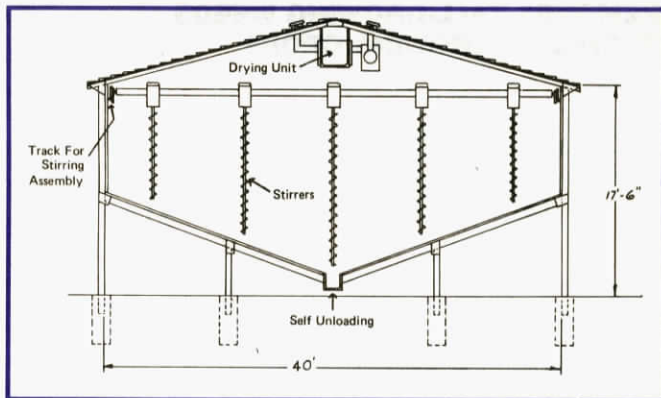
and lowers relative humidity: "There is no worrying about deterioration of the grain. The dryer unit surrounds it with desert-dry air, regardless of how variable outside weather conditions may be."

The drying-storage building can be custom designed in whatever size or shape is feasible for each individual farmer. Rebovich notes that the natural insulating properties of the fiber glass walls isolate outside weather from the stored grain. "The structure will maintain moisture and temperature conditions required for safe storage, regardless of outside weather conditions — and without the use of artificial heat," he points out.

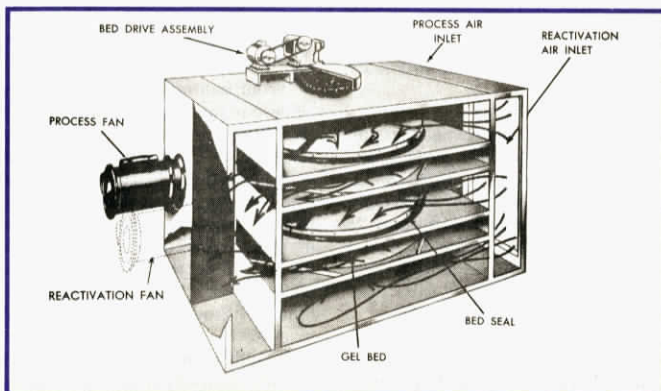
The new drying-storage facility is designed for do-it-yourself construction. Two men can carry a 40 ft. frame assembly, which weighs only 120 lbs. Divider panels and ducts can be put in to allow several different grains to be dried and stored independently with one dehumidifier unit. The walls and roof are well insulated to completely "weather-proof" the interior of the drying-storage building.

Materials cost for the new drying-storage system, including the dehumidifier, mechanical stirring device and the building itself, is estimated to run about \$1.00 per bushel of storage space.

For more details, contact: FARM SHOW Followup, Edward Rebovich Co., Box 207, 3044 Lenox New Lyme Road, Jefferson, Ohio 44047 (ph. 216 294-3433).



End view cross section of 40 ft. wide, 60 ft. long, 20,000 bu. capacity storage-drying building located near Mr. Vernon, Ohio.



One compartment dehumidifies the air and delivers continuous, uninterrupted supply of dry air to the storage area. In the other compartment, the desiccant beds are regenerated and made ready for use. Dehumidifiers such as this are commonly used in industry.

MAKE YOUR WAY TO THE TOP EASIER, SAFER

Easy-up Stairs for Grain Bins

There is an easier, safer way to get on top of your grain storage and drying operation.

New Easy-up stairs come complete with a handrail and safety platform. They're reversible right or left and fit any standard bin with 32 in. high rings, explains Jim Miller, of Illiana Stir-Ator Co., Oakland, Ill.

"The big advantage is safety," says Miller. "You hear about farmers falling off bins every year.

Also, during filling and drying of the bins, a farmer will find that the ease of climbing stairs rather than a vertical ladder will make one part of his job a lot easier."

The stairs sell for \$58.95 per ring and \$99.00 for the platform section. For instance, Easy-up stairs for a 7 ring bin would retail for \$452.70.

For more information, contact: FARM SHOW Followup, Illiana Stir-Ator Co., Oakland, Ill. 61943 (ph. 217 346-2223).



Easy-up stairs can be installed to the right or left. All parts are galvanized.