MEASURES GRAIN AS IT FLOWS, SAME AS A GAS PUMP

New Way To Weigh Grain

Plans for marketing a "little black box" that accurately weighs grain as it's elevated in or out of storage were being finalized as this issue of FARM SHOW went to press.

This new way to weigh grain without having to run it over a weigh scale, is said to be accurate within ±1%. It measures grain by flow — just like a gas pump measures gas — giving you an accurate, continuous reading of the amount of grain being elevated in or out of your bins.

"To our knowledge, it's the only device in the world which can accurately measure the rate of mass flow as it's moving. It has many industrial applications but we're zeroing in first on its application to agriculture. It's an exciting new way to accurately weigh grain," says Dennis Holdsworth, president of DWH Engineering Co., Dover, Mass., a consulting engineering firm which developed the first-of-its-kind grain flow monitor.

The "little black box" is called the AccuMass and consists of a combination chute and monitor. Installed at the top of an elevator leg, for example, it accurately measures all grain going in or coming out of bins. The sensor converts the amount of grain flow into lbs., then flashes this information to a monitor which gives an instant reading in bushels. One dial measures bushels in the load coming in or going out, and another keeps tab on the total inventory of all loads.

Retail cost of the unit slated for commercial production on a limited basis early this year is expected to be right at $1,500. "The AccuMass measuring device does not restrict the flow of grain in any way," Holdsworth points out. "While it is highly accurate so far as the needs of farmers are concerned, it is not designed for the legal trade."

AccuMass measures weight of grain by its flow. Mounted at top of elevator leg, it measures all grain going in and out of bins.

Holdsworth says the first on-farm installation of the new way to measure grain was made in Canada on the Wes Magiro farm near Woodstock, Ont. It was engineered and installed by Wes' brother Larry, who is marketing the device in Canada. "The big advantage to farmers is that, with this new measuring system, they don't have to take someone else's word on the amount of grain shipped. They can also use it to accurately check crop yields," Larry told FARM SHOW.

For more details, contact: FARM SHOW Followup, DWH Engineering Co., Dennis Holdsworth, President, 33 Old Farm Road, Box 17, Dover, Mass. 02030 (ph 617 785-0387).

LOWERS TO GROUND LEVEL FOR LOADING, THEN RETURNS TO NORMAL POSITION

EZY Load Truck First Of Its Kind

You've never seen anything quite like it. An all-purpose EZY Load truck with a platform or bed that lowers to the ground for walk-on loading of livestock, or drive-on loading of machinery or equipment.

Once loaded, the platform remains parallel with the ground at all times as it's raised hydraulically into regular position for down-the-road travel.

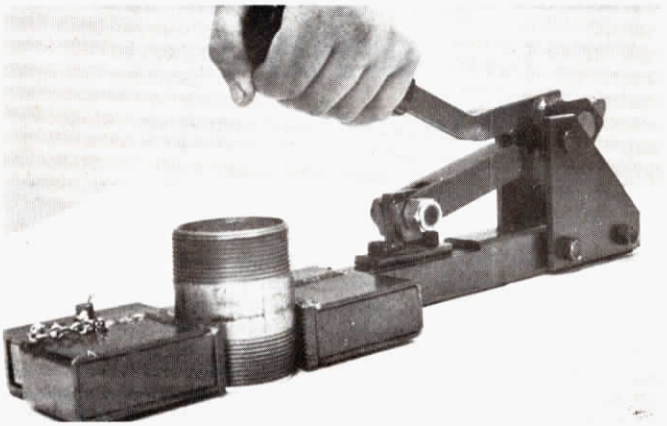
The first-of-its kind truck from Australia is being manufactured in Melbourne. "Interest has been tremendous and we're interested in setting up a licensing agreement with interested manufacturers in the U.S.," K. O. Rolfe, co-inventor, told FARM SHOW.

"A truck fitted with this platform allows goods to be loaded from any height from ground level up to regular operating height. The platform will lift goods to the full load capacity of the vehicle from ground level to the normal carrying position — without experiencing any instability. A truck equipped with the platform can travel at normal speed and carry a normal payload."

Rolfe notes that purebred livestock breeders and horse fanciers have been especially interested in the new-style truck. They can walk animals onto the lowered platform, then pull a lever to raise the platform. The entire loading or unloading operation without a chute takes about 30 seconds.

Rolfe adds that, "A truck fitted with this platform and hydraulic system, plus a winch, could be used in the tow to haul disabled equipment to headquarters or to town for repairs."

For more details, contact: FARM SHOW Followup, K. O. Rolfe, Netley, Goovigen, Box 22 Goovigen, Queensland, Australia 4702 (ph 079 965182).



Kwik Klamp works on either plastic or galvanized pipe up to 2 in. in dia.

New Pipe Holder Simplifies Well Work

If you do your own well work, you'll be interested in Kwik Klamp, a first-of-its-kind pipe holder that you can operate with one hand.

Invented by two young Minnesota wellmen, the tool has caught on fast with professional well drillers throughout the U.S.

"It works on either plastic or galvanized pipe from 3/4 to 2 in. in diameter and makes the job a lot faster and easier, whether you're a professional wellman or a do-it-yourselfer," says Kent Whaley, president of J. K. Tool Co., Wheaton, Minn., a new company set up to manufacture the popular new clamp which Kent, along with Joe Reinart, developed. Both are professional well drillers.

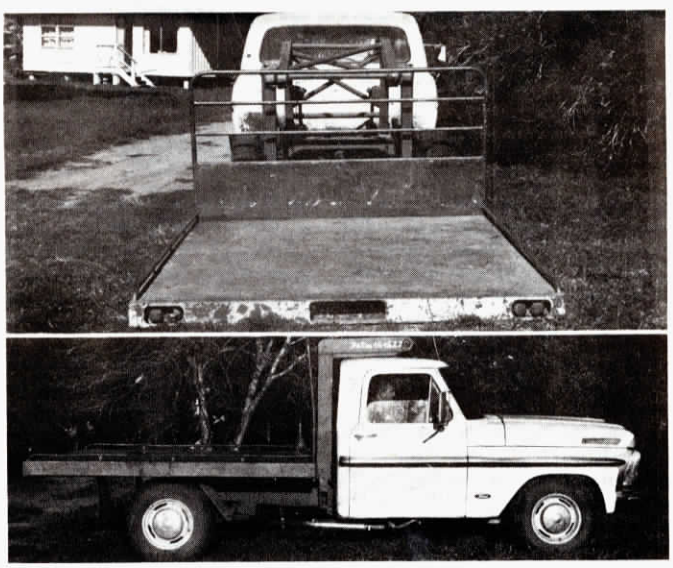
Operation of the Kwik Klamp is similar to a vise grip wrench. The lever works on an off center, toggle locking principle. "There is no way the holder can lose its grip unless the handle is pulled up. And, regardless of how tightly it's clamped to the pipe, one man can easily unfasten the clamp with only one hand, leaving the other hand free to guide pipe, a winch rope, or whatever," explains Kent.

He adds that, "We've personally used the clamp to hold up to 400 ft. of 1¼ in. pipe and feel it will hold twice that much weight. Another key feature is that its operation isn't bothered in the least by extremely cold weather, so long as you keep it oiled.

Jaws of the Kwik Klamp are serrated to ensure a tight grip of plastic or galvanized pipe, and case hardened for strength. A "tension bolt" allows tension of the "bite" to be adjusted as needed.

The device, made of all steel construction, is 19 in. long and weighs 13 lbs. Sells for $84.95, including shipping.

For more details, contact: FARM SHOW Followup, J. K. Tool Inc., Kent Whaley, Pres., Box 6A, Wheaton, Minn. 56296 (ph 612 563-4967).



EZY platform can be loaded at any position from ground level up to full operating height. Carries normal payloads.