



Barrel-type mixer fits onto skid steer loader arms. It rotates end over end on a shaft. No moving parts come in contact with the wet concrete.

## Barrel-Type Cement Mixer Mounts On Loader Arms

"It's almost unbelievable how well it works and how easy it makes the job of mixing and pouring concrete," says James Jantzen, a Newbern, Alabama, farmer who's come up with a first-of-its-kind cement mixer that virtually eliminates the need for heavy lifting, shoveling, and wheelbarrowing.

What makes the mixer unique is that Jantzen totally abandoned the old-style revolving drum style of mixer. Instead he designed a mixing barrel that rotates end over end on a shaft that's designed so no moving parts come in contact with the wet concrete.

What's more, the mixer can be used like a bucket to scoop up sand. To make it easy to get the mix right, Jantzen put a weigh scale on the loader arms that works off hydraulic pressure in the loader cylinders. By watching the scale, he can accurately load the precise amounts of sand, water and cement needed.

To build the mixer, Jantzen used a piece of heavy-walled pipe about the size of a 55-gal. bucket. One end of the pipe is sealed shut. The other end has a half-moon hinged door. For scooping up sand, the door is opened and the back end of the mixer is pinned in place so the barrel can't turn. Once the correct amount of sand is scooped up, he pulls the pin so the barrel rotates down to a vertical position. Then he adds water and sand.

The mixer is designed to fit onto skid-steer loader arms. "It's very easy to use. You scoop up a load of sand just like you would with a loader bucket. If you get too much sand, you just tip the mixer down to dump some out. Once you've added the cement and water, you just close the door on the mixer and activate



Load can be dumped precisely wherever you want it

the hydraulic motor that rotates the drum. The end-over-end motion of the drum mixes it up fast. Then you can lock the drum back into the loader arms to dump it. You can dump the load very precisely wherever you want it. You can dump a little bit at a time, or the whole load," explains Jantzen.

"It's actually fun to use. It makes a hard job easy," he notes.

A patent has already been applied for and Jantzen hopes to find a manufacturer. He continues to improve the mixer. He's currently adding an electric-actuated locking pin at the base of the drum so he can lock it into place for scooping up sand without getting off the skid steer.

Contact: FARM SHOW Followup, James Jantzen, 433 County Rd. 10, Newbern, Ala. 36765 (ph 334-624-1508).



Mixer can be used like a loader bucket to scoop up sand.



Deere dealer Steve Grieb and Paul Dotterer, who was formerly an Allis-Chalmers dealer, say their "half right" tractor gets a lot of attention wherever it goes.

FRONT HALF IS DEERE B,  
REAR HALF ALLIS-CHALMERS WC

## "Half Right" Tractor Is Big Hit At Parades

"It gets a lot of looks wherever we go," says Steve Grieb, Centre Hall, Pa., about the "half right" tractor that he and friend Paul Dotterer built. The front half of the tractor is a 1940s Deere B and the rear half is a 1940s Allis-Chalmers WC.

The tractor is owned jointly by Grieb - a Deere dealer - and Dotterer - formerly an Allis-Chalmers dealer. It has two seats - a green one and an orange one; two steering wheels - one green and one orange; and a homemade bubble machine on front. The steering wheels are tied together with sprockets and chains, allowing the tractor to be driven by either one or two drivers. The centrally-located hand clutch and throttle are accessible from either seat, as are a pair of hand brakes. The original Deere 2-cyl. engine was replaced with one from the LUC power unit off a 1940's Deere combine. The engine is connected to the Allis transmission.

"We take it to a lot of steam engine shows and often drive it in parades. People take a lot of photographs of it," says Grieb. "A lot of people who are familiar with equipment really appreciate it, but the average person thinks that we bought it. Paul and I have been friends for years and built it just for fun. Since I'm a Deere dealer he says that I'm not allowed to sit in the orange seat. We did the work during evenings and weekends. We fab-

ricated a clutch and pressure plate for the fly-wheel and mounted a hand clutch. The original Deere B had a hand clutch, too. We made a new exhaust for the tractor in order to quiet it down. The LUC Deere combine engine still makes a 'putt putt' sound just like the engine on the original tractor.

"One time a married couple drove the tractor during an antique show. Both had lost their first mates. They thought it would be fun to drive because the woman's former husband was an Allis dealer but her new husband was a Deere dealer.

"Kids get a big charge out of the bubble making machine on front which uses two 12-volt electric motors - one to spin paddle wheels that pick up the bubble solution, and the other to operate a fan. The first time we started up the bubble making machine the motor that operates the fan ran backward, causing the fan to blow in the wrong direction. The problem was that the motor wasn't grounded properly. The only way to reverse the motor was to reverse the wires, but we couldn't do that because of the grounding problem. We solved the problem by mounting both motors on a 2 by 8 wooden frame."

Contact: FARM SHOW Followup, Steve Grieb, Dunkle & Grieb, Inc., RD 2, Box 14, Centre Hall, Pa. 16828 (ph 814 364-1421 or 9109).

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