

Underground “Drone” Finds Drain Tile Problems

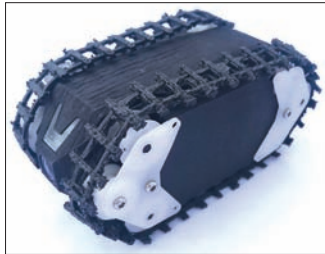
The Ferret “drone” from Indiana-based Davaus company will make field tile repair easy. The cordless, tracked, water-resistant device is designed to explore 4-in. tile lines or bigger.

“Finding broken or blocked tile can be labor intensive and invasive, whether using a spade or a backhoe,” says Dave Hockemeyer, Davaus, LLC. “We began by taking a prototype to farm shows and had good feedback. Now we have a short list of customers waiting for our beta units.”

This new technology established roots similar to other Davaus innovations - by striving to make American Agriculture a more efficient enterprise. As feedback from beta users is received and incorporated into the final design, the target is a simple user experience to map tile lines and “see” what is truly underground.

Davaus plans to roll this product solution out in early 2021 - but equally exciting will be complimentary technologies to the Ferret to provide related soil management data for the grower. This product suite will enable growers to evaluate their operation from the ground up - literally.

Contact: FARM SHOW Followup, Davaus, LLC, 14508 Bruick Dr., Hoagland, Ind. 46745 (ph 260 245-5006; info@davaus.com; www.davaus.com).



Features a camera in the front and rear, connecting to your handheld screen of choice, and works up to 50 ft. away.

Sealed Bearing Service Fixes John Deere Planters

“Our new sealed bearing rebuild service for John Deere Row Crop Planters improves the performance of old and worn gauge arms, making a maintenance-free arm. We replace the original bushings with sealed bearings that never need grease. The rebuilt arms work smooth and stay tight,” says Jeff Steinke, Coyote Machining, LLC, Hamlet, Nebraska.

Farmers who had their gauge arms rebuilt 8 years ago, have never had to replace the bearings. “Even if the bearings would fail, they can be replaced,” says Steinke.

The improvement will only work on Deere 1720 and newer planters. We rebuild the customer arms or make an exchange with repaired gauge arms we already have in stock. The rebuild costs \$70 per arm plus shipping. “We encourage shipping through Fastenal stores to save money,” says Steinke.

We are excited to announce the arrival of a brand new and improved arm coming just in time for the 2021 planting season!

Contact: FARM SHOW Followup, Coyote Machining, LLC, 72796 Ave. 353, Hamlet, NE 69040 (ph 308 883-0459; info@coyotemachining.com; www.coyotemachining.com).



Remanufactured arms improve the performance of old and worn gauge arms by replacing the original bushings with sealed bearings.

Reader Inquiry No. 98

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“\$5” Loader-Mounted Truss Lifter

“We call it our \$5 telehandler. It was super easy to build,” says Jack Agnew, Gum Spring, Va., about the “truss lifter” he and sons John and Cory built to help construct a new 55 by 105-ft. pole barn.

“Years ago when I served in the military I learned about something called field expediency,” says Agnew. “The motto is, ‘I’ve done so much with so little for so long that I can do anything with nothing in no time at all.’”

The men came up with the idea because they needed to raise 21-ft. long wooden beams about 20 ft. high, and then bolt them into corresponding notches cut into the building’s posts. “The beams were made from 3-in. thick by 15-in. wide white oak wood, so they were way too heavy to lift by hand,” says Jack.

He used 5-in. square white oak and 2 by 4’s to build a pair of 10-ft. long vertical “extenders”, which he notched at the bottom and top. The extenders slip over the back part of the 4-ft. long forks on his loader tractor, and are chained and padlocked to a steel backstop that came with the forks.

To help load the beam onto the extend-

ers, he bolted notched wooden brackets 10 ft. up on a pair of tall wooden posts.

“I used the forks to pick up the beam on the ground and my sons set it on edge so I could place the beam into the post brackets,” says Agnew. “Next I loaded the beam onto the extenders and slowly drove the tractor to a pair of the building’s 19 1/2-ft. tall posts, where I raised the loader up and over the other side of the posts. My sons were there to fit the beam into the notches and bolt it on. One son stood on a tall ladder and the other on a homemade portable scaffold.”

The 21-ft. beam weighs about 365 lbs., so Agnew had to be very careful while driving the tractor. “With the beam raised so high, the leverage on the loader is incredible. I made sure I always drove on level ground to avoid tipping over.”

Contact: FARM SHOW Followup, Jack Agnew, 4605 Fox Chase Run, Gum Spring, Va. 23065 (ph 804 556-3377).

Agnew uses home-built loader-mounted truss lifter to raise wood beams up to 20 ft. high, then bolts them into notches cut into building’s posts.

