



Support Wheel For Planter Marker Arms

"We've had prototypes on our two 16-row Deere planters for three years with great results. Pin wear on hinge joints has been virtually eliminated," says Eric Jorgensen, of EJ Engineering, Williamston, Mich., about his new support wheel for marker arms.

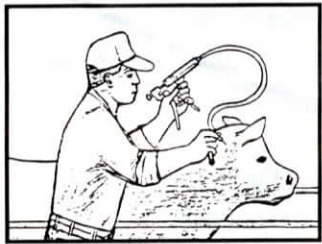
He uses a lightweight alloy 21-in. motorcycle wheel (27 in. dia. with tire) attached to a bracket that mounts at the end of the second section of the marker arm.

"The problem with large marker arms is the small diameter of the marker disc, which causes a lot of drag. Our wheel is fitted with a slotted bracket so you can adjust the marker to put only as much pressure on the marking disc as needed yet still maintain 10 to 12 in. of up and down travel. We remove half of the weight at the end of the arm and angle the disc so it makes a better mark," says Jorgensen.

The "Land-N-Gear" support wheel is designed to fit all row crop planter markers.

Contact: FARM SHOW Followup, EJ Engineering, 2333 S. Dietz Rd., Williamston, Mich. 48895 (ph 517 655-5757; fax 517 655-2621).

New Needle-Saving Vaccination Tools



Farmer Invents New Vaccination "Tool"

"Everyone who tries it wonders how they ever got along without it," says Jerry Honeycutt, McCook, Neb., about "Slap-Shot", his new attachment for vaccination needles that he developed on his own farm to eliminate problems with broken needles.

Slap-Shot is simply a 30-in. long flexible plastic tube that's inserted between the needle and syringe - the needle locks onto one end and the syringe to the other. To vaccinate, the producer simply "slaps" the needle into the animal and immediately squeezes the syringe handle to dispense vaccine and then pulls back on the syringe to pull the needle out of the animal.

Sells for \$4.95 and comes in three lengths: 30-in. (adult swine and cattle); 26-in. (feeder pigs and smaller calves); and 22-in. (cattle in squeeze chutes as well as horses and sheep in pens).

Contact: FARM SHOW Followup, Jerry Honeycutt, Slap-Shot Co., Rt. 4, Box 280, McCook, Neb. 69001 (ph 308 345-2520).



"Mechanic's Step" For Pickups, Trucks

"I made my first one 15 years ago when I was working as a mechanic. So many people have asked me about it over the years I decided to put it on the market," says Jim Landen, Ogallala, Neb., about his slip-on bumper for truck and pickup bumpers that gives you solid footing for under-the-hood work.

The "Bumper Step" consists of two strap iron brackets that fit over the top of the front bumper, hooking over the back lip. There are 4 different height level adjustments to allow you to reach everything under the hood and a rubber-headed adjustment bolt on each bracket pushes against the bumper to level the step as needed. A 2 by 6-in. board simply bolts between the two brackets.

"Most guys grab whatever's handy to stand on when working on their trucks including milk baskets, oil buckets, tree stumps, kitchen chairs or whatever. The Bumper Step is a lot more convenient and it won't slip out from under you," says Landen.

A pair of brackets sells for \$29 plus postage. You supply the board. Fits any truck or pickup.

Contact: FARM SHOW Followup, Jim Landen, 612 West 9, Ogallala, Neb. 69153 (ph 308 284-3841 or 3673).



Flexible Needle Holder

New hand-held needle holder virtually eliminates broken needles and medication waste, according to the manufacturer.

The "Lure Lock Adapter" consists of a pistol gun syringe that attaches to the user's belt or pocket by a metal clip, a 3-ft. long, 1/8-in. dia. flexible plastic tube, and the needle holder. You insert the needle into the animal and squeeze the syringe handle to dispense vaccine. As you insert the needle your hand or fingers remain flat on the animal's surface, allowing you to keep pressure on the animal as it moves.

"The needle holder is easy to hold and move as the animal moves. The result is less chance of broken needles, less chance of user injury in farrowing crates or small pens, and less stress on animals. It's very humane," says Don Forshey, sales manager.

Sells for under \$20.
Contact: FARM SHOW Followup, Goldec International Eqpt. Inc., 6760 65th Ave., Red Deer, Alberta Canada T4P 1A5 (ph 800 661-1665).



Strobe Lights For Tractors, Combines

You can make your tractor, combine or pickup more visible on the highway by mounting a portable strobe warning light on top of the cab, says Bosch Lights, Versailles, Ind.

The portable light flashes 60 to 80 times per min. and has a lens made of tough plastic with a magnetic base. It's available blue, red, amber, or clear. A 12-ft. cord and receptacle plugs into the cigarette lighter of your tractor or pickup.

"It makes slow-moving equipment instantly visible and the magnetic base lets you quickly move it from machine to machine, as needed," says Paul Morris, distributor. The light's replaceable flash tube uses 12 to 48 volts DC and draws a maximum of 0.5 amps.

One light with magnetic base and cigarette lighter plug sells for \$65 (shipping included). Direct-wired model without magnet sells for \$55.

Contact: FARM SHOW Followup, Bosch Lights, Rt. 1, Box 27, Versailles, Ind. 47042 (ph 812 689-5620).



New-Style Chopper Also Tills, Aerates

"We think it's the most exciting new tillage tool developed in years," says Keith Romack, distributor for a first-of-its-kind new stalk chopper and field aerator from Gleve Corp., Poseyville, Ind., that consists of a large 18-in. dia. steel drum fitted with angled steel blades that chop up residue and also till the soil yet leave plenty of residue on top.

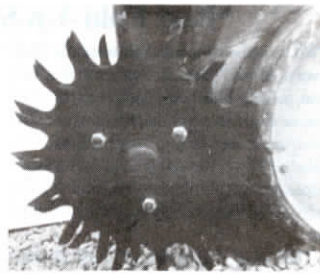
The basic design of the new "Res Max 90" is similar to that of the Aer-Way tiller developed in Europe that has been on the North American market for the past few years. The difference is that it's much more aggressive due to the larger drum and more widely spaced teeth that are set at an angle for more aggressive tillage.

The Res Max 90 is available in sizes from 12 to 30 ft. wide. The 12-ft. model has 200 teeth on it, each sharpened on the forward edge and set at about a 10 percent tilt to one side so they open up the soil surface as they dig down into it. Teeth are spaced on 6-in. centers in staggered rows also spaced 6 in. apart.

A 4-in. sq. steel tube frame supports the drum. Weight of 12-ft. model is 2,400 lbs.

"It's designed to be used on corn stalks, wheat stubble, soybeans stubble and on any other ground. Teeth work 6 to 8 in. deep at 10 mph without covering residue," says Romack. The 12-ft. model sells for \$7,200.

Contact: FARM SHOW Followup, Gleve Corporation, Box 490, Poseyville, Ind. 47633 (ph 800 453-8326 or 812 874-3385).



Cleaner Wheels Create "Perfect" Seedbed

Kentucky farmer and inventor Howard Martin says he's learned a lot in the 7 years since he first came up with his idea for row cleaning wheels that clear and till the ground just ahead of seed opener discs on row crop planters.

"Even if you have a great idea it won't sell itself. You have to get out there and promote it," Martin says, adding that he has licensed his patented trash clearing devices to two companies - including Deere & Co. - and is also manufacturing the add-on trash wheels himself.

When Martin first got the idea he used cut-down rotary hoe wheels, attaching them to the frame of a Deere Max-Emerge planter directly ahead of the disc openers. The idea was to use the ground-driven wheels to pull trash out of the way of the row units and at the same time lightly till the soil, creating a clean tilled seedbed ready for planting. He refined the idea, eventually building wheels from scratch with pointed short tines. He started using the wheels on his own farm and went looking for a firm to market them.

It just so happened that one of Martin's neighbors is Eugene Keeton, one of the most successful farm inventors in the country. Keeton is the man who invented the finger pickup unit on Deere's Max-Emerge planter and recently struck gold again by coming up with a new brush-type seed meter for soybeans now being manufactured by Kinze Manufacturing. Through Keeton, Johnson got in touch with the right people at Deere and managed to work out a licensing agreement for his trash wheels. However, Deere never pushed the idea the way he liked and he eventually licensed the product to another manufacturer (Dawn Equipment Co. - featured in FARM SHOW's Vol. 15, No. 6) and started making them himself.

He says the trash-clearing idea looks deceptively simple but explains that it's critical that the two V-mounted wheels are positioned close to the seed opener disc. "That allows the seed disc to cut the residue while it's being stretched. Also, the teeth on the wheels must extend out past the planter gauge wheels so that residue isn't released too soon to fall back in front of the planter unit."

The teeth on each pair of wheels intersect to completely clean the zone ahead of the openers. Soil in the seed zone is worked to a depth of 1/2 in. so the seed discs aren't forced to open unloosened soil.

"These trash wheels eliminate row unit bounce by moving residue out of the way and clear off ridges without reducing their height," says Johnson.

The 15-in. dia. wheels are made out of 3/8-in. high-grade steel and mount on tapered bearings. An inner shield is designed to stop wrapping even in tall cover crops.

Contact: FARM SHOW Followup, Howard Martin, Kentucky Farms Inc., 169 Allegre Road, Elkton, Kent. 42220 (ph 502 265-5817 or 800 366-5817).