



## Drill/Cultivator Combo Lets Him "Turn On A Dime"

"I can turn on a dime," says Kenneth Weisz about a modified cultivator/drill combo he pulls behind his Case-IH 1086.

"Before, I had to be doggone careful about turning corners in the field because my rig would jackknife when I had to back up," says the Halliday, N. Dak., farmer.

To build the rig, Weisz bought a Brady 18-ft. cultivator to replace the IH 45 18 1/2-footer he'd used before. He modified the cultivator to fit the 3-pt. hitch and cut it down to 16 ft. so it'd match width of the Massey Ferguson 425 drill he pulls behind it.

He removed the hitch and running gear from the cultivator and built a framework out of the I-beam hitch. It welds to the cultivator's main beam and attaches to the tractor's 3 pt.

He built a 12 ft. long gooseneck hitch which attaches to a piece of 1/2-in. thick plate welded to the cultivator 3-pt. hitch. The gooseneck is made of 2 7/8-in. dia. drill stem pipe and is gusseted on corners



and trussed with 3/4-in. dia. sucker rod on top and bottom.

Mounting the cultivator on the tractor's 3 pt. brings the cultivator to within 6 to 8 in. of the tractor's rear tires, Weisz notes.

"I had to add nine 100-lb. suitcase weights to the front of the tractor to keep it down with the extra weight on the 3 pt.," Weisz says. "I haven't been boxed into a corner since I built it three years ago."

Out-of-pocket expense was about \$300. Contact: FARM SHOW Followup, Kenneth Weisz, Rt. 1, Box 46, Halliday, N. Dak. 58636 (ph 701 938-4723).



## Allis Diesel Tractor Repowered With Combine's 6-Cyl. Gas Engine

"It starts exceptionally well and has all the power this tractor will ever need," says Harley Green who repowered a 1956 Allis Chalmers WD 45 diesel tractor with a 6-cyl. gas engine out of an Allis combine.

Green, an Ulen, Minn., antique tractor enthusiast, bought the tractor three years ago, aware that its 45 hp diesel engine was in bad shape.

He obtained a Buda 60 hp 6-cyl. 232 cu. in. engine out of an A series Allis combine. The tractor's original diesel engine was also a Buda so the combine engine matched up pretty smoothly with the tractor, he says.

"I machined off the shiv on the front crank pulley to get the engine to fit into the available space in the frame," Green notes. "I removed the flywheel and adapter

plates from the tractor and simply adapted them to the combine engine. Everything fit right up. The only thing that was different was that the bolts I used in the flywheel had to be 1/4-in. shorter.

"I also cut a notch out of one of the frame rails to accommodate the oil filter and made new front engine mounts. I extended the throttle linkage, and cut a hole in the hood for the muffler.

"I kept the heavy-duty diesel starter and clutch, along with the tractor's radiator and air cleaner. I used the fan off the combine."

Green says the tractor is a real crowd-pleaser at the shows he takes it to.

Out-of-pocket expense was about \$500. Contact: Harley Green, R.R. 1, Box 206, Ulen, Minn. 56585 (ph 218 494-3741).



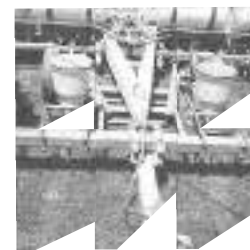
## Easy-To-Use, Low-Cost Splitter Hitch

"Commercial models I looked at cost \$6,000 and were hard to hook up," says Myron Stammen who built a low-cost, easy-to-use splitter hitch that allows him to plant soybeans in 15-in. rows.

The New Weston, Ohio, farmer's 14-row planting combo consists of two Deere corn planters pulled in tandem behind his 80 hp Deere 2840.

The front planter is a ground-driven 6-row (30-in.) plate-type planter. Stammen converted it from 3-pt. mounted to pull-type with a 15-ft. tongue he made out of a section of Deere plow beam.

The rear planter is an 8-row (30-in.) Deere 7000. Stammen made a heavy-duty triangular-shaped hitch that holds the two planters together. Wheels off the front planter mount on turnbuckles on each side of the splitter hitch and are raised for planting and lowered when Stammen detaches the front planter and switches to 30-in. corn. Removing the three hitch pins that hold the two planters together and unhooking the



hydraulic hose takes only a couple minutes, he notes.

"I was astonished at how well it worked," Stammen says. "I didn't have a bit of trouble."

Eventually, he plans to convert the front planter to newer-style 7000 planter units.

Out-of-pocket expense was \$1,000. Contact: FARM SHOW Followup, Myron Stammen, 3083 St. Rt. 705, New Weston, Ohio 45348 (ph 937 338-3955).

## Home-Built Coulter Cart Works "As Good As Commercial"

When Bob Lamb began looking at commercial coulters carts to use to pull his grain drill, field cultivator and chisel plow, he decided he couldn't justify the price and he also didn't like the way they were designed.

"The ones I looked at all had wavy coulters, which have a tendency to bury rather than cut stubble and are a problem to sharpen," says the Greenfield, Ill., farmer.

So Lamb built his own heavy-duty cart and equipped it with straight coulters that cut stalks into uniform 6 to 8-in. lengths.

He used heavy 2 by 6-in. tubing to build a bridge hitch that applies downpressure to the 12-ft. wide toolbar. He mounted a 3-in. hydraulic cylinder on each side so he can adjust downpressure as conditions dictate.

The cylinders raise and lower a 4 in. sq. heavy wall tool bar on which Lamb clamped 22 18-in. dia. straight coulters that he salvaged off various plows. They're spring loaded and set for 7-in. centers to match Lamb's grain drill and 20-in. corn rows.

He used stub shaft axles and hubs off an old Allis Chalmers corn planter and fitted them with 15-in. car wheels. He equipped the machine with telescoping axle mounts made out of two different sizes of box tubing.

"That's so I can get the front hitch exactly level with the back hitch, depending on what tractor I'm using to pull it," he says.

Lamb pulls his 12-ft. grain drill behind the cart in fall when seeding wheat and his



12-ft. field cultivator or chisel plow and sometimes a culti-mulcher behind it in spring.

He generally runs coulters 3 in. deep and pulls the cart with a 140 hp tractor.

Out-of-pocket expense was about \$2,000, including \$25 apiece for the coulters.

Contact: FARM SHOW Followup, Bob Lamb, 516 South Main, Greenfield, Ill. 62044 (ph 217 368-2131).