



Heavy duty 6-ft. mower deck mounts in place of swather's original header and is driven by a gearbox off the swather's existing horizontal driveshaft.

Big Mower Built Out Of Old Swather

"We have a 2-acre ball field across the road and the boys really scatter when they see us coming. But they don't mind because they know we can cut the field fast," says Walter Miller who built a big zero-turn lawn mower out of an old swather with hydrostatic drive.

It's used to mow the outer areas of the Ohio farmer's 4-acre lawn, while a Cub Cadet lawn tractor is used around the house and outbuildings.

Miller started with a 1969 New Holland Speedrower equipped with a 65 hp Ford 4-cyl. engine he bought at a farm auction for \$750. He removed the 12-ft. mower head and conditioner which he replaced with a heavy-duty 6-ft. Steiner mower deck he bought used.

To mount the deck, he shortened the lift arms by 5 in. so the deck can cut closer to the ground. He built a 6-ft. long crossmember out of 4-in. box tubing. It runs between the lift arms and connects to a shop-built pivot point with a 4-in. bushing at the center of the deck. The design allows the deck to pivot backward and forward 8 in. and side to side 18 in. to follow the contour of the ground.

He used a heavy-duty gearbox off a scrapped Hesston Stackhand to drive the mower off the swather's existing horizontal driveshaft. A double U-joint driveshaft runs from an oversize 14-in. dia. pulley mounted on the gearbox shaft to a 4-in. dia. pulley attached to the deck drive. The design turns



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the mower blades at slightly higher rpm's than the manufacturer recommends, he notes.

Other modifications included removing the upright air cleaner and rerouting the muffler out the back, Miller says.

The mower deck is 3 ft. shorter in width than the 9-ft. wide windrower, but that's not a problem, Miller notes.

"What I really like about the rig is that each drive wheel has its own hydraulic motor," he says. "This allows you to turn and cut closer around trees than you ever could with a tractor mower.

"Best of all, out-of-pocket expenses were only about \$1,500 compared with \$8,000 to \$10,000 for some commercial units I looked at which weren't nearly as maneuverable."

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Double rake hitch allows White to pull two 9-ft. side-delivery rakes at a time. He built it out of an old 22-ft. field cultivator.

Double Hitch Cuts Raking Time In Half

"I cut my haying time in half compared with what it took using a single wheel rake," says Douglas White about a double rake hitch he built to pull two 9-ft. side-delivery rakes.

The Unity, Sask., farmer built the hitch from a 22-ft. Case winged cultivator. White stripped the cultivator down to its frame, removing the shanks, harrows and wings and replacing its hydraulic cylinder with a ratchet jack to permit height adjustment from 12 to 30 in. He then put a hitch on each side to pull both his New Idea and Ford rakes.

"I then added a pair of truck support wheels for the back rake hitch," he says.

With the rear rake overlapping the path

of the front one 6 to 8 in., White is able to rake a 16 to 17 ft. swath pulling the rig behind his 1965 Deutz 50 hp tractor at speeds of up to 5 mph.

"It needs at least 40 hp to work really well," he says. "You could probably use this outfit for raking ditches by leaving one wing on the cultivator and hooking a rake to it."

Out-of-pocket expense was about \$300 (Canadian), not including the 1960's Ford rake White purchased for \$500.

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A 16 hp gas engine on front of machine belt-drives a 12-in. dia. flywheel off an old tractor engine. Flywheel is fitted with six cutter blades.

Shop-Built Stump Grinder Works Like A Commercial

When Dick McNight needed a new stump grinder for his lawn care business, he found he couldn't justify the expense of a commercial unit so he built his own for a fraction of the cost.

"I built it for about \$225. It works just as good as a commercial rig, some of which can run you \$3,000 or more," says McNight.

The heart of the machine is a 12 in. dia. flywheel off an old tractor engine. Its ring gear was removed and replaced with a hub machined out of steel. The flywheel is fitted with six commercial cutter blades.

The flywheel shaft mounts on a pair of pillow block bearings. The handle bars are built out of 1 1/4-in. dia. steel pipe. The flywheel is shielded with 14 ga. sheet metal and height of the handlebars is adjustable to handle different size stumps.

A 16 hp Briggs and Stratton engine off

an old lawn mower mounts on front of the machine's frame and belt drives the flywheel, which turns at about 2,500 rpm's for grinding.

The stump grinder rides on a pair of 8-in. high tires. A brake on the left wheel makes it easy to pivot the grinder back and forth when taking out stumps. The engine and cutter wheel are at opposite ends of the frame, counter-balancing each other, so it's easy to move the machine back and forth over the stump.

"I've probably taken out 25 stumps since I built it with no problems. It works great," says McNight.

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Pipe mover is made of two pieces of square steel tubing - the bottom one is 35 in. long and top one 28 in. long.

Easy Way To Move Cement Pipe

You can move heavy sections of concrete pipe without ever getting off the tractor using this new pipe mover invented by Harvey Roberts, Shawboro, N.C.

"It's a great way to lay pipe in a ditch because you never have to climb down to release chains or straps," says Roberts.

The U-shaped pipe mover hangs from a single piece of chain and simply slips over the end of the pipe. It's made of two pieces of square steel tubing. The bottom piece is

35 in. long and the top piece 28 in. long. The two pieces are 4 3/4 in. apart.

Roberts says he and David Dunavant of Dunavant's Welding and Steel, Inc., are considering building the cement pipe mover for sale.

Contact: FARM SHOW Followup, Harvey Roberts, Box 14, Shawboro, N.C. 27973 (ph 919 336-4793) or Dunavant's Welding and Steel, Inc., Box 28, Camden, N.C. 27921 (ph 919 338-6533).



U-shaped pipe mover hangs from a single piece of chain.