

Angled metal disc mounts just ahead of back end of rake. Hay is thrown onto disc which is rotated back against flow of hay by ground wheel underneath it.

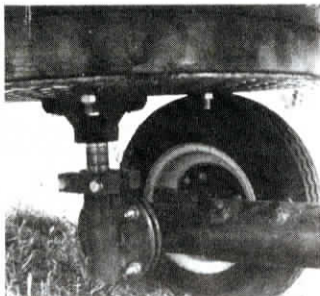
Add-On Device Inverts Windrows

"We expect it to sell for 1/2 to 1/3 the price of existing windrow inverters," says farmer-inventor Craig Shoop, Halifax, Penn., about his add-on device for side-delivery bar rakes that flips windrows upside down.

The device, which consists of an angled metal disc about 4 ft. in dia., is patent pending and Shoop hopes to bring it to market in the near future. "It lets you use your existing machine to invert windrows. You can even leave it in place when raking swaths into windrows because it leaves a more fluffed-up windrow that dries faster," he notes.

The disc mounts just ahead of the back end of the rake. At speeds of 3 1/2 mph or more, hay is thrown onto the disc which is rotated back against the flow of the hay by a ground wheel underneath it. The ground wheel is friction-driven off the top of the caster-mounted wheel.

The hay "B.R.A.T.T.", as Shoop calls it (Bar Rake Attached Turn Table), attaches with two hitchpins to the rake frame using existing bolt holes so it can be quickly

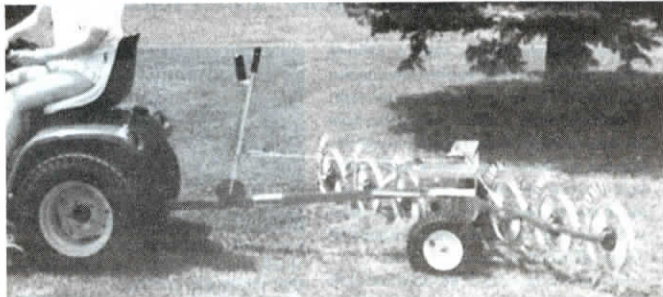


Ground wheel is friction-driven off top of caster-mounted wheel.

attached or detached as needed. The tubular frame can be adjusted to adapt to differing windrow size and condition.

Besides fluffing and turning the windrow, the hay B.R.A.T.T. also removes some stones because of the way it abruptly changes direction of windrow coming off rake.

Contact: FARM SHOW Followup, Craig Shoop, 299 Shoop Rd., Halifax, Penn. 17032 (ph 717 362-9194).



Lever mounted on tongue is used to adjust down pressure of rake wheels.

Miniature Finger Wheel Rake

"Our new miniature finger wheel rake pulls behind any lawn or garden tractor. Works great for raking leaves and grass and also for dethatching," says Doug Edney, Edney Distributing Co., Lakeville, Minn.

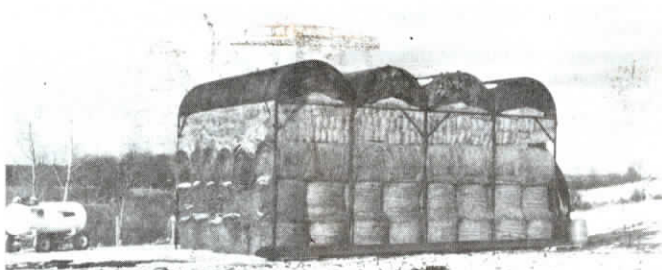
The "estate rake" is a downsized version of common finger wheel hay rakes. The two-wheel rake has six small wheels equipped with spring steel teeth. A lever mounted on the tongue is used to adjust down pressure of the rake wheels which can be lifted off the ground for transport. Rake width is adjustable up to 4 ft. by changing position of a lever on a notched steel bar.

"It greatly speeds up raking time for leaves, grass clippings, long pine needles, etc.," says Edney. "If you're raking very

heavy leaves or grass clippings, you can narrow the rake up and not take as wide a bite. A weight box over the wheels provides the flexibility of raking lightly or increasing down pressure. It does an excellent job dethatching. Each weight box is designed to hold four bricks or a 1-gal. paper milk carton filled with sand. It takes about 35 lbs. to do a good job of dethatching. Extra weight is also necessary for raking a sloped area like a road ditch. The rake can also be used in the spring or fall for underseeding."

Sells for under \$400.

For more information, contact: FARM SHOW Followup, Edney Distributing Co., Inc., Box 198, Huron, S. Dak. 57350 (ph 605 352-8616).



Shed holds 144 round bales and 848 small square bales of straw (top). Tank sections are mounted on framework built out of heavy wall oil field pipe (bottom).

Hay Shed Built From Underground Fuel Tanks

Old underground diesel storage tanks can be converted into low-cost hay sheds, says Kelly Cushway, Paris, Mich., who used a pair of 10,000-gal. tanks to make a 28-ft. wide, 32-ft. long shed.

Cushway bought the tanks for \$5 at a local county auction. The 28-ft. long tanks measured 8 ft. in dia. and weighed 11,000 lbs. each. They were pumped dry and hauled free of charge to Cushway's farm. He used a sawzall to cut a diamond-shaped hole in one end of each tank so he could crawl inside and clean it out. He shoveled out the sludge and rust scale and then spread kitty litter on the bottom of each tank to absorb any remaining fuel. He then used a cutting torch to split each tank lengthwise.

He used 3 1/4-in. dia. heavy wall oil field pipe to build a framework that supports the tank sections. He set the bottom of each upright in a 5-ft. deep, 12-in. dia. hole which he then filled with concrete. He welded lengths of pipe horizontally across the top of the uprights and reinforced them with steel bracing. Each tank section was fitted

with U-shaped "saddles" that fit over the top of the crossbars. A crane was used to lift the tank sections into place and then he welded the four half-sections together where they butt up against each other in order to make the roof waterproof.

"I currently have 144 round bales stored in the shed and 848 small square bales of straw. I plan to build a corn crib around three sides so I can use the shed for machinery storage and as a workshop. I may also double the size of the shed by adding onto one end.

"A comparable size commercial building would cost \$7,000 to \$10,000 if you built it yourself and twice as much if you hired it done.

"There are a lot of these old tanks around, but they're getting harder to find. One of my neighbors used an old tank to build a hog shelter."

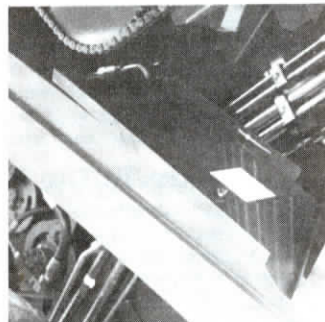
Contact: FARM SHOW Followup, Kelly Cushway, Box 221, Paris, Mich. 49338 (ph 616 796-0812).

Plastic Rust Shields For Deere Combine Elevators

"We were recently approached by an implement dealer who said there was a need for a rust shield on Deere 9400, 9500 and 9600 combines to keep grain acids from dripping out of the grain tank and onto the return elevator. Since we already make 'Reel Raps' and 'Paddle Raps' for combine reels, the product we designed fits right into our operation," says Harlan Easton of Easton Products, Inc., Blooming Prairie, Minn.

Acids dripping onto the top side of the lower end of the elevator housing eventually eat a hole in the metal. Easton's Rust Shield is made out of tough polyethylene plastic that's unaffected by grain acids. It simply fits into place with a wing nut and a plastic tie strap. Once installed, it has a lower lip that drains acids off to the side of the machine. Sells for \$18 plus shipping.

"Once we got into it we found that Deere 6620, 7720 and 8820 combines also need a Rust Shield to protect the elevators so we developed a smaller shield that mounts directly under the grain tank auger," says



Plastic shield is unaffected by grain acids and keeps them from dripping onto return elevator housing.

Easton. The smaller shield sells for \$6.50 plus shipping.

Contact: FARM SHOW Followup, Easton Products, Inc., Rt. 3, Box 172, Blooming Prairie, Minn. 55917 (ph 800 448-4571 or 507 583-6610).