

Rotor arm moves in and out about 15 in. to veer around trees.

NAILS WEEDS IN AND BETWEEN ROWS

“Simplified” Weeder For Trees, Shrubs

“We think it’s the most simplified, trouble-free weeder on the market for trees and shrubs,” says North Dakota

Deere Combines

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glance upward between the cylinder and the beater. On this type beater, there has to be about a 14° angle back on the blades so the beater will shed and not create its own rifeed problem. This can be accomplished by taking a 3-in. OD square tubing and adding one blade on each face as shown in the drawing marked “Beater”. Be sure the outside diameter of the beater is the same as the original round beater. Generally the best way to do this is to put a solid disc on each end, approximately 13 in. in diameter. On the outside edge there should be either a recess or a little flange to keep the material from going between the sidewall and the beater. Use some angle gussets in the center to keep the blades from bending back.

My suggestion is to use nothing but rods or fingers behind the concave. Run your beater speed the same as the cylinder speed, and the fuel saving alone will pay for all the work you have done on the beater, not to mention the savings in belts, bearings and downtime.

I am not involved in rebuilding beaters and I cannot inspect the work of everyone who does. I have laid out the ground rules and it is up to you as individual farmers to either do your own or see that the work is done according to these instructions. Remember the rules: no more than 3 in. OD square tube in the center with the same outside diameter as you had on the original beater. You should leave the center position of the bearings where they are.

To the best of my knowledge, two companies are building the modified beaters on a commercial basis. Contact: FARM SHOW Followup, Phil Foster, Farmer’s Factory, Box 122, Lee, Ill. 60530 (ph 815 824-2153), or: FARM SHOW Followup, John Rea, Rea Services, Touchet, Wash. 99360.

rancher Robert Schonert, of Bismarck, inventor of the new Tree Machine.

“We’ve done away with a lot of hydraulics, making for less maintenance and also making it possible to use the machine on smaller tractors,” explains Schonert. “Last summer, I mounted the weeder on a Deere 750 diesel. I put the weeder to the toughest tests I could think of and the 18 hp tractor handled it with no problems whatsoever.”

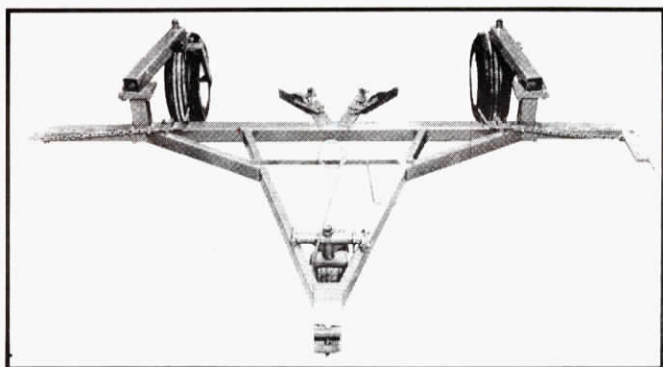
The rotor arm moves in and out about 15 in. with a hydraulic cylinder. It is powered by a hydraulic orbit motor which turns about 100 rpm. The rotor “floats” to stay in the ground on uneven terrain. “It’ll chew its way through sod or weeds. We’ve had very little trouble with weeds and debris wrapping up around the rotor. If it should happen to plug or wrap, the rotor can be raised and reversed back and forth to easily release the weeds,” Schonert points out.

To weed tree rows, the driver drives along the row with the rotor running directly in the tree row. He then hits the hydraulic lever to veer the digging arm half way around the tree. “With practice, you get so you can come within an inch or so of the tree without hitting it, and without slowing down,” says Schonert.

He adds that his Tree Machine can be set in a fixed position and used as a garden tiller, or to keep fence lines clear of weeds. It could be made for use on skid steer loaders, as well as tractors.

Schonert has applied for a patent and would like to compare notes with anyone interested in manufacturing and marketing the Tree Machine under a licensing agreement. Meanwhile, he welcomes inquiries from farmers and ranchers interested in a custom-built Tree Machine.

For more details, contact: FARM SHOW Followup, Robert Schonert, Star Rt. 9, Bismarck, N. Dak. 58501. (ph 701 223-8814).



OPERATES EACH PLANTER INDEPENDENTLY

“Hinson Hitch” Pulls Two Max-Emerges

“We’ve had a lot of interest in the hitch and we’re getting ready to demonstrate it throughout the Midwest,” reports Tom Leners, sales representative for Hinson Mfg. Co., Granite City, Ill., manufacturer of the Hinson Hitch, which allows you to hook up two 4 or 6-row Deere Max-Emerge planters on the hitch to plant 8 or 12 rows at once.

“One advantage of the Hinson Hitch system,” explains Lener, “is that you can operate each planter independently, which is nice on terraces and end rows.”

The hitch changes from the planting to transport position in two minutes. In the transport position, the two planters and hitch are only as wide as one of the planters so you can still fit through gates and travel on the road.

To transport, each planter is pivoted 90°. A tongue type hitch installs on the back of one of the planters to attach to the tractor. Thus, in transport position, one planter is actually pulled backwards. No changes need to be made on the hitch wheels since they swivel 360°.

Lener points out that in the past year the marker system has been improved. He adds that a similar hitch for International 400 and 800 series is in the works.

The Hinson Hitch sells for right at \$4,000, including marker arms.

For more information, contact: FARM SHOW Followup, Hinson Manufacturing Co., Inc., 1603 State St., Granite City, Ill. 62040 (ph 800 851-8025 toll-free; in Ill. call 800 642-4504).

New-Style Tillage Tool

Latest innovation in minimum tillage is the ConServ-All, designed by Harold Reimann, Madison, Wis. It features a gang of coulters on the front that break up the soil and cut trash. A pto shaft runs back to a 3 pt. hitch on the rear of the unit to attach power harrows and other equipment to further break up the soil and incorporate chemicals.

“The ConServ-All lets you till the soil at 6 to 7 mph with the coulters 1 to 6 in. deep, and the power harrow 1 to 4 in. deep. At these speeds, you get good tillage of the soil without the usual ridging problem associated with high speeds,” Reimann explains.

“On light soil,” he notes, “you could plant right after tilling with the ConServ-All. In fact, some farmers have a bridge hitch on the back of the unit to pull a planter directly behind the system.”

Reimann explains that most power harrows will fit on the back of the unit as well as other Cat. 2 or 3, 3-pt attaching equipment, such as chisel plows. Spray booms can also be attached.

Tillage depth for both the coulters



Front coulters break up soil and cut through trash.

and pull-behind equipment is controlled by manually-adjusted top links.

The unit has a pin hitch and is available for both 540 and 1,000 rpm pto’s.

ConServ-All is available in 10 to 20 ft. widths. The 13-ft. model sells for right at \$6,250, not including the power harrow, and, depending on soil conditions, requires about a 130 hp. tractor.

For more information, contact: FARM SHOW Followup, ConServ-All, 537 S. Segoe Rd., Madison, Wis. 53711 (ph 608 271-7039).