



New oscillating 3 pt. hitch acts as an insulator which prevents vibrations from being transferred to the tractor.

## INSULATES TRACTOR FROM VIBRATIONS

# Vibrating Plow Features New Oscillating Hitch

A new feature promises to boost popularity of the Lubbock Vibrating Plow. The new-style tillage tool, first introduced in Southern states, is now moving into the Midwest and West in a big way.

"We're now equipping it with a new 3 pt. oscillating hitch especially designed for Category 2 and 3 tractors using either a quick hitch or standard hitch," explains Bob Rogers, president.

The plow's vibration mechanism, driven off the tractor pto, features a patented dual eccentric counter balanced rotor system which acts as a balanced flywheel. As it turns, it causes the entire implement to vibrate. The machine is bolted together rather than welded to withstand the vibrations.

"The plow's most important feature is that it breaks up the hardpan, yet leaves the soil relatively undisturbed. It doesn't turn up a lot of big clods, as does a conventional static chisel plow, thus reducing the number of trips required to prepare the seedbed," explains Rogers.

The standard assembly is made up of 5 to 9 ripper shanks set from 20 to 36 in. apart. During operation, the gauge wheels can be set to allow the rippers to penetrate the soil 10 to 22 in depth.

Rogers cites the following example to illustrate the advantage of the vibration feature:

"If hard, brittle soil and tractor power conditions limited a static

ripper plow to a maximum of 5 rippers set 20 in. apart, the plow would cover a width of 100 in. behind the tractor. Plowing at 4.5 mph for 10 hours, approximately 45 acres would be covered.

"Using the vibrating plow under the same conditions, the 5 rippers can be placed up to 36 in. apart, covering 180 in. in width behind the plow. At the same speed of 4.5 mph for 10 hours, the farmer can cover 8 acres. This is an 80% increase in coverage, and up to 40% savings in fuel."

Used on rangeland, the vibrating plow makes it possible for cattlemen to deep plow, reseed and fertilize in a single operation. At the same time, the vibrating action can check erosion by transforming gullies and hillsides into permeable 'sponges' that absorb runoff from rains," says Rogers. In many cases, because of increased water penetration, contour plowing isn't necessary. In higher rainfall areas, vibrating action allows water to drain away, often eliminating the need for expensive tilling of fields," Rogers points out. Pull-type models of the vibrating plow, equipped with standard 30 in. long rippers (36 in. rippers optional) are available with 3 to 21 rippers. Standard 3-pt. hitch models are available with five, seven or nine rippers.

For more information, contact: FARM SHOW Followup, Lubbock Mfg., Box 1589, Lubbock, Texas 79408 (ph. 806 762-5261).

## NOT A RIPPER OR A SUBSOILER

# Renovator Boosts Pasture Profits

A new machine that sells for less than \$500 is catching on fast in both cattle and alfalfa country.

In cattle country, ranchers are using it to renovate both tame and native pastures once a year. Alfalfa growers are "slicing" the soil after each cutting to salvage virtually every drop of rain that falls.

"It's the first and only machine on the market specifically designed for renovating pastures and hay land," explains Bill Remias, manager of sales for the new Farnam Renovator. "It doesn't rip or chisel but slices the soil. The idea is to open the soil for aeration and moisture penetration without disturbing the topsoil, thus minimizing erosion and loss of topsoil moisture through evaporation.

"We experimented with a lot of different spacing and digging depths. Best results were with a comparatively shallow slice — only 4 to 6 in. deep — and with the chisels spaced 15 in. apart. Operating at this shallow depth, and using chisels that slice rather than rip, dig or plow, wouldn't do the job in stubble or stalk ground. But the features are just right for this first-of-its-kind machine which is designed specifically for boosting hay and pasture profits," he points out.

Models are available with three to nine shanks spaced 15 in. apart. The smallest model (30 in. wide from outer shank to outer shank) sells for \$219; the nine shank model (120 in. wide) for \$488. Because of the shallow depth used for renovating, the largest model is easily handled with a 50 hp tractor, says Remias.

He recommends renovating alfalfa after each cutting, and going over tame or native pastures once a year. "Renovate first, then fertilize," he advises. "Our test have shown that you can use, depending on the type of forage and soil, up to 70% less fertilizer by renovating. And, with fertilizer prices being what they are, that savings could amount to thousands of dollars."

For more details, contact: FARM SHOW Followup, Farnam Companies, Equipment Division, Box 21447, Phoenix, Ariz. 85036 (ph. 602 267-1166).



"It's the first and only machine on the market specifically designed for renovating pasture and hay land," says the national sales manager for the Farnam Renovator.