

Spoke wheels mounts on a harrow-type drawbar that folds to 8 1/2 ft. for transport.

“GOOD FOR UP TO 25,000 ACRES”

Heavy-Duty Spoke Injection System

“We’ve been getting 22,000 to 25,000 acres out of our spokes before having to rebuild or replace them,” says Bryan Jones, U.S. distributor of a new-style durable spoke fertilizer injection system.

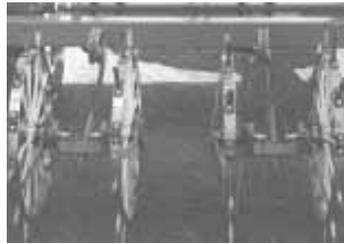
The spoke wheel concept of injecting liquid fertilizer into the root zone was first introduced by Cady Systems Inc., Reasnor, Iowa, in the 1980’s. It never really caught on for various reasons, including that wheels weren’t built heavy enough to stand up to all soil conditions.

Now, Jones is introducing an improved design developed by Pattison Bros. Agro Ltd. of Lemberg, Sask.

It consists of a one-piece stainless steel 2-in. dia. hub on a 1 in. dia. spindle. Twelve reversible and replaceable 4-in. spokes are attached to a 21-in. dia. stainless steel wheel. A rotary valve inside the hub delivers fertilizer to the spoke while it’s in the ground. It also regulates the amount of solution to the spoke so each spoke receives the same amount. The wheels mount on a folding harrow-type 4 by 4-in. drawbar that folds to 8 1/2 ft. for transport.

The design permits “nesting” fertilizer approximately 3 1/2-in. deep every 5 in.

Typically, in Jones’ area with mellow volcanic ash soils, a 50 or 60-ft. applicator (12-in. spacing) is used to inject up to 65 gpa



Design consists of a stainless steel 2-in. dia. hub on a 1-in. dia. spindle. Twelve reversible and replaceable 4-in. spokes are attached to a 21-in. dia. stainless steel wheel. of 28 or 32 percent liquid nitrogen at 5 mph in small grains, canola, mustard, etc. It can be used on any growing crop, however, and in nearly any soil type, including rocky ground, he says.

“We’re realizing maintenance costs of just 30 to 40 cents per acre on the 80-ft. rig we’re running,” he notes.

Sells for \$325 per wheel. Several different styles of spring arms for regulating downpressure are available, as are stainless steel spokes instead of standard hardened mild steel.

Contact: FARM SHOW Followup, Bryan and Kathy Jones, Spoke Application Systems, 81654 S. Juniper Canyon Rd., Helix, Ore. 97835 (ph/fax 541 457-2662).



“Magic” Paint Changes Colors After It’s Applied

If you’ve ever gone “snow-blind” painting white on white, you’ll like this new “color-changing” paint that goes on blue but fades to white to eliminate missed spots and overlaps.

“Magic Paint” was introduced this summer at the Minnesota Inventor’s Congress in Redwood Falls, Minn.

It consists of a specially formulated white latex paint and a 1 oz. light-sensitive dye packet that turns the paint blue for ap-

plication. The paint returns to white in four to eight hours depending on the amount of sunlight it gets.

Paint is guaranteed for 10 years and sells for \$14.99 to \$16.99 per gal. The additive packet, which works only with “Magic Paint”, sells for \$2.

Contact: FARM SHOW Followup, Quality Paint Products Inc., 2901 SE 4th St., Minneapolis, Minn. 55414 (ph 800 980-0822 or 612 623-0822; fax 3346).



Pto-driven silo blower is equipped with two 9 1/2-in. dia. rollers that crack kernels to boost nutritional value of feed.

CRACKS KERNELS WHILE BLOWING SILAGE INTO SILO

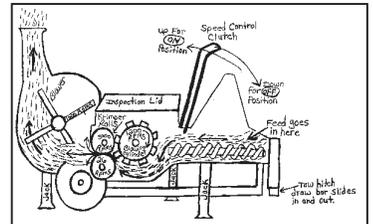
Silo Blower Equipped With Roller Mill

“Our new silo blower is equipped with a roller mill unit that cracks kernels as it rolls silage, then blows it into the silo. It’s an economical way to boost the nutritional value of feed with little additional effort,” says Paul Smucker, Lancaster Silo Co., Lancaster, Pa.

The pto-driven unit features 9 1/2-in. dia. rollers that can process up to 1 3/4 tons of corn silage per minute with a minimum 130 hp tractor. It has two wheels for road transport which are removed when the machine is in use at the silo. Four jack stands are used to tilt the unit to line up with the silo pipe. By bolting a gooseneck spout onto the blower you can also use it to shoot rolled silage into a bunker silo or silage bag.

“Farmers are excited about rolled silage because they know the benefits in increased digestibility and milk production. However, most of the other roller mills on the market are built into self-propelled forage harvesters which cost \$200,000 or more. Our unit sells for \$28,000 and can be used for corn silage or high moisture ground ear corn,” says Smucker. “To use it for corn silage you set the rollers 3/16 in. apart and for high moisture ground ear corn at 1/16 in. apart.

“The two rollers are both the same size but operate at different speeds - one 3,000 rpm’s and the other 2,600 rpm’s. Three parallel augers deliver silage into the rollers. Their speed can be controlled with a clutch lever mounted on the rig.



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“Farmers using the processor note an increase in milk production of up to 2 lbs. per day due to the feed’s increased digestibility. The increased digestibility also allows you to cut silage in the field from 1 in. to 1 1/4 in. long instead of 1/2 in., which reduces the size tractor needed to pull your silage chopper.” Smucker also sells a kit for installing rollers on pull-type silage harvesters. The rollers mount right behind the forage head.

“It works the same as the silo blower roller mill only you’re doing the job right in the field. Fits one to four-row choppers and sells for about \$7,500,” says Smucker.

Contact: FARM SHOW Followup, Lancaster Silo Co., Inc., 2008 Horseshoe Road, Lancaster, Penn. 17601 (ph 717 299-3721).



The company also sells a kit for installing a roller mill on a pull-type silage harvester. The blower is moved back 14 in. in order to make room for the rollers, which mount right behind the cutter knives. They recommend removing half the knives in order to offset the increased horsepower requirement. Harvester is shown here with header removed.