



Two-part hitch mounts on tractor's drawbar and implement tongue. "Catch loop" stand holds tongue 8 in. off the ground.

## NO HYDRAULICS OR 3-PT. HITCH REQUIRED TO ACTIVATE IT

# Automatic Wagon Hitch

A new automatic hitch that mounts on your tractor's drawbar and implement tongue lets you hook up to any wagon or trailer without getting out of the tractor cab.

The "Agri-Speed" hitch consists of two parts. The first is a "catch loop" and stand that holds the tongue 8 in. off the ground. The loop and stand simply slip over the wagon tongue and are held in place by any conventional hitch pin. A lift rod mounts at a forward angle on top of the stand. The second part of the hitch bolts onto the tractor's drawbar. It consists of a V-shaped guide and a locking mechanism that automatically locks onto the tongue loop. As you back up, the lift rod slides up onto the V-shaped guide and guides the tongue of the implement into position so that the loop snaps into place. To unhook, the operator pulls a cable to release the spring-loaded latch, letting the loop drop out of the hitch.

"We think it works better than any other automatic hitch system on the market," says Mike Bergman, one of the inventors. "It's

very simple to use because it doesn't require use of the tractor's hydraulic system or 3-pt. hitch. All you do is back up. You don't need help from anyone on the ground.

"Unlike other auto hitches there's no permanent modification required. You can move the catch loop from wagon to wagon as needed by pulling the hitch pin. The tractor part of the hitch can also be used on pickups, self-propelled choppers, and corn pickers. The lift rod quickly swings to the side so you can hook up the pto shaft for stationary use. Another advantage is that the hitch extends the drawbar out about 1 ft. for better visibility. It also is covered with fluorescent tape for improved visibility at night."

The drawbar part of the hitch sells for \$240. The tongue loop is available in two sizes to fit either a 4-in. (\$95) or 5-in. (\$115) wagon tongue.

Contact: FARM SHOW Followup, Bergman Mfg. Inc., Box 82, Arthur, Iowa 51431 (ph 800 551-4554 or 712 675-4733).

## INDIVIDUAL SELF-DUMPING UNITS MOUNT ON ANY FLATBED TRUCK, TRAILER

# "Do-It-Yourself" Round Bale Trailer

You can make your own round bale hauler with new individual self-dumping units that are designed to mount on any flatbed.

"It eliminates the need for an expensive single-use trailer. You can attach these units to a trailer or truck when you need them and then easily remove them to use the trailer for other jobs," says farmer-manufacturer Jay B. Starkey, Jr., of Anclote Industries, Inc., Odessa, Fla.

You can mount any number of the 2-bale dumping units side-by-side on any flatbed. They're made out of 2 1/2-in. sq. tubing (3/16-in. sidewall) and 3/8-in. flat bar with 3/4-in. bolts for pivot points. Each unit installs with 4 bolts and is designed for an 8-ft. wide trailer.

Handles bales 4 to 5 1/2 ft. dia., dumping to either side of flatbed. Two dump release cables run from each bale unit to individual spring-loaded latches at the front of the trailer so you can dump bales one at a time for feedout or storage. When you trip the bale cradle, the bale falls off by gravity and then you reset each cradle by hand.

"We've given these units two seasons of heavy use on our ranch and they've been rugged, reliable and efficient," says Starkey. "Bale Dumper" units sell for \$495 per 2-bale unit.

For more information, contact: FARM SHOW Followup, Anclote Industries, Inc., 12959 SR 54, Odessa, Fla. 33556 (ph 813 920-5288).

## ECONOMICAL WAY TO MAKE YOUR OWN FEED SUPPLEMENTS

# New Small Scale Oilseed Crusher

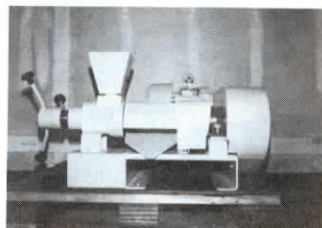
You can make your own high-protein feed supplements and produce crop oils that sell for a premium with this new small scale oilseed crusher designed and built by a North Dakotan.

"I was looking for an oil expeller for my own use. The only small scale units I found were foreign and sold for \$15,000 or more plus shipping. I decided to design my own. Interest has been so strong, we're now manufacturing it," says Eugene Clooten about the Dakota Oil Mill, which squeezes oil out of soybeans, sunflower seeds, canola, cottonseed and any other oil seed. Depending on the seed, it works at a rate of 70 to 100 lbs. per hour. Clooten is working on a larger model that'll crush up to 300 lbs. of seed per hour.

"It operates totally unattended. You can fill a hopper and let it work all day while you're doing other chores," says Clooten.

Clooten has had interest from livestock producers, who want to make their own protein meal supplements, people interested in selling crop oils (flax oil, for instance, sells for \$23/lb.), and from health food companies who sell raw crop oils to be taken as a human nutritional supplement.

The oil crusher is 32 by 36 in. and weighs 250 lbs. It's powered by a 3 hp., 3-phase motor. Seed flows out of the hopper into a screw worm that conveys material through specially designed cages where it's crushed and squeezed. The screw worm shaft is



Oilseed crusher is powered by a 3 hp., 3-phase motor and works at a rate of 70 to 100 lbs. per hour.

plated with case-hardened manganese nickle which meets FDA food grade regulations.

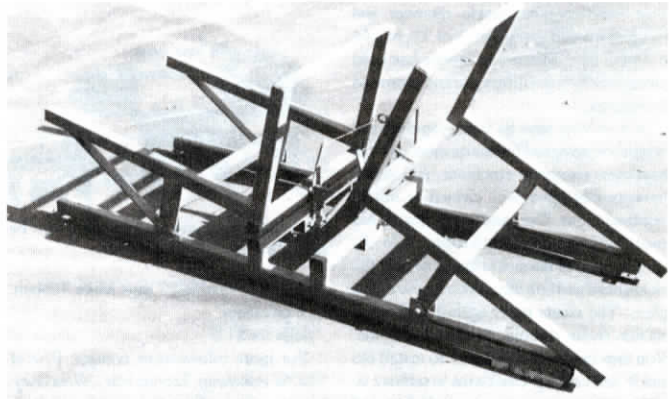
"One advantage of this machine is that oil comes out at only 78 to 80° so no nutrients are destroyed due to high temperatures, as with big commercial expellers. Also, the meal coming out is much higher in fat content than the commercial supplements most livestock producers buy. Soybean meal, cottonseed meal and sunflower meal all have from 10 to 12 percent oil content versus the 1 percent oil content of many commercial supplements, which are chemically purged to get all the oil out. Cattle and hogs like the taste better and they gain faster on it," says Clooten.

Sells for \$5,500.

For more information, contact: FARM SHOW Followup, Eugene Clooten, Dakota Oil Mill, P.O. Box 6175, Bismarck, N.Dak. 58506 (ph 701 258-9493).



Photo shows 34-ft. trailer with units mounted on 6 1/2-ft. centers, allowing 10 bales to be carried at a time.



Individual self-dumping units are designed to mount on any flatbed.