



Hitch lowers flat to ground so no jack is needed to raise implement tongues. Hitch tongue adjusts from center to either side and allows use of pto without interference.

“Most Versatile Hitch On The Market”

Here's the most versatile hydraulic drawbar on the market, according to Progressive Pioneer Farms, manufacturer.

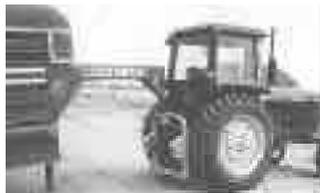
The “Quad Hitch” is a multi-use tool, designed especially for livestock producers. It's ideal for pulling feed wagons and nearly all other farm equipment. It lowers flat to the ground so no jack is needed to raise implement tongues. The hitch tongue adjusts from center to either side and allows use of the pto without interference.

Equipped with detachable bale forks, it's 40 in. wide by 40 in. tall and built of 2 by 3-in. tubing. Fits virtually all Cat. II and III hitches. A 5th wheel trailer ball is optional. Sells for \$497 plus S&H.

Contact: FARM SHOW Followup, Progressive Pioneer Farms, P.O. Box 750122, Topeka, Kan. 66675-0122 (ph 888 456-4561).



A 5th wheel trailer ball is optional.



Hitch comes with detachable bale forks.

Udder “Singeing” System Fast, Safe

The idea of burning hair off cows' udders has caught on in the last few years as a way of reducing disease. Most farmers do it with an ordinary hand torch, but now there's a new system out that's designed specifically for udder singeing.

The “Udder Singe” consists of 25 ft. of hose and nozzle, a specially calibrated LP gas regulator, flame-proof mitten, striker/ignitor, and plastic caddy with large casters for easy rolling on rough surfaces.

To use, you connect the equipment to a 20-lb. LP tank (not included) and strike the spark ignitor until ignition occurs. Adjust the flame to 4 to 6 in., then pass the flame over areas to be singed briefly to remove excess hair. The whole process takes only about 45 seconds per cow and because the temperature of the flame is low (750° F) there's virtually no chance of harming your cows or you. It also uses less gas than an ordinary hand torch.

A 20-lb. LP tank will singe more than 10,000 cows, the company says. Sells for \$243 plus \$10 S&H.



Unit comes with 25 ft. of hose and nozzle, LP gas regulator, flame-proof mitten, and plastic caddy on caster wheels.

Contact: FARM SHOW Followup, Dry Enterprises Inc., 1428 Rosecrans Lane, Green Cove Springs, Fla. 32043 (ph 800 749-6550; fax 904 284-0964).

In-Line “Enhancer” For Foam Markers

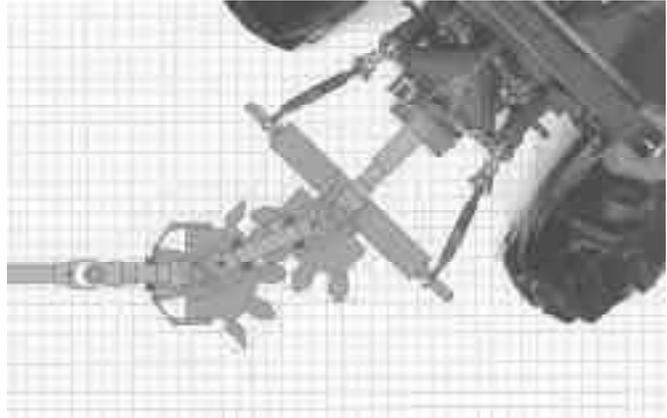
You can make your spray marker foam last longer, and make it more visible, by mounting an in-line foam “enhancer” and collector-type head drop at both ends of the sprayer, says Hiawatha Valley Farm Store, Byron, Minn.

The in-line foam enhancer is a 15-in. long tube that straps onto the boom. One end of the tube fits into the existing foam marker hose, and the other end fits into the head drop. The head drop bolts onto the end of the boom using a bracket and four bolts. A wire “scrubber” mounted inside the tube

causes the air and liquid being pumped through to mix together one more time and keeps them from separating. The bottom of the head drop has a bell-shaped opening which results in a large, dense foam ball for greater visibility and longer field life.

Works with any foam marker system. Sells for \$69.95.

Contact: FARM SHOW Followup, Hiawatha Valley Farm Store, 2638 County Road 3 SW, Byron, Minn. 55920 (ph 507 286-8650).



Constant velocity hitch hooks up to lift arms on tractor's 3-pt. hitch. A pair of cogged steel wheels connect hitch to implement drawbar.

“Constant Velocity Hitch” Protects PTO Shaft On Turns

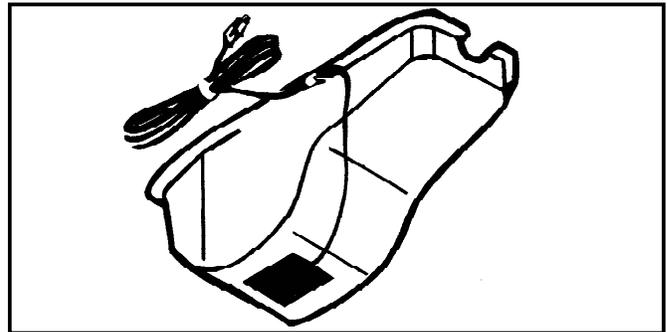
When you make a turn while operating a pto-driven implement, you have to go slow or turn in a wide arc to prevent damage to the pto shaft. Right?

Not so, says Rears Mfg., Eugene, Ore., which makes an “equal angle” flexible driveline that's standard equipment on the company's flail choppers and orchard sprayers. The company says its “constant velocity hitch” allows smooth 90 degree turns under full loads and virtually eliminates stress on U-joints. The hitch hooks up to the lift arms on the tractor's 3-pt. hitch. A pair of cogged steel wheels connect the hitch to

the implement drawbar.

The driveline part of the hitch consists of a pair of short pto shafts that connect the driveline on the tractor pto to the implement driveline. The distance between the U-joints remains constant and the angles of the shafts are also constantly equal. The lead pto shaft automatically stays aligned with the tractor's pto shaft, eliminating the stress on U-joints caused by a conventional telescoping pto shaft.

Contact: FARM SHOW Followup, Rears Mfg., 2140 Prairie Rd., Eugene, Ore. 97402 (ph 800 547-8925 or 503 688-1002)



Preheater pad adheres to bottom of oil pan. Can be used on any pan or even on oil barrels.

“Peel And Stick” Engine Preheater

“Our new ‘peel and stick’ engine preheater attaches to the bottom of your vehicle's oil pan and converts the housing into a heat transfer element. It warms the oil to operating temperatures making cold starts easy,” says Hugh Goulding, E Tip Inc., Addison, Ill., noting that the device can also be used on gearboxes, transfer cases, and even bulk oil tanks.

The new preheater plugs into any 110 or 220-volt outlet and consists of a thin silicone fiberglass pad containing a metal grid. To install it you clean an area on the bottom of the oil pan and press the pad onto it, then use silicone to seal the edges of the pad and place a flexible ceramic insulation pad over it.

The pad transfers heat rapidly through the metal housing and warms the oil, which rises as it heats up.

“It takes advantage of the fact that hot fluids are lighter than cold fluids,” says Goulding. “It's been used successfully in the military and in the trucking industry for years. It works better than conventional block heaters which warm only the engine's water jacket. The heated water helps in the

combustion part of the engine, but the oil stays cold and doesn't flow properly which can cause severe damage when you start the engine. It also works better than dipstick heaters which use only a small surface to heat the oil and have to get it very hot. This frequently burns the oil in contact with the heater, and the heater loses efficiency because the burned oil sticks to the heater element.

“Our preheater uses the oil pan's large metal surface as the heat transfer element so it doesn't have to get very hot. It takes only about an hour to heat the oil from zero to 73 degrees, and it'll warm the oil up to 250 degrees if left plugged in. It uses far less energy than a block heater and isn't prone to leaks because nothing is opened up.”

Available in several models depending on the wattage needed. A 50-watt unit sells for \$42.90 while a 900-watt unit sells for \$100.

Contact: FARM SHOW Followup, E Tip, Inc., Box 571, 29 South Iowa Ave., Addison, Ill. 60101 (ph 800 530-5064 or 630 530-8393; fax 5019).