



Larry Johnson can use his home-built 3-pt. hitch three ways: as a drawbar (left), a ball hitch (center), or a quick hitch (right).

3-Way Garden Tractor Hitch

When Larry Johnson of Ontario, N.Y., bought an Ariens GT 18 hp garden tractor, it was built to take Cat. 0 3-pt. hitch attachments. Instead of using the optional hitch, he built his own so he could use the attachments he already owned which are the universal garden tractor type that attach with one pin.

The hitch has an adjustable linkage that connects it to the tractor hydraulic lift arms that give it tilt or a different working height.

He built an adapter to convert the hitch to

a 3-pt. type by simply using two pins. This adapter is a fast hitch type. It can also be fitted with a ball hitch adapter that attaches with one pin to pull trailers.

Other attachments with simple pin hitches simply hitch to the drawbar.

Contact: FARM SHOW Followup, Larry Johnson, 1740 Kenyon Rd., Ontario, N.Y. 14519 (ph 315 524-8244; email: joylarjo@aol.com).

Hydraulic-Driven, Walk-Behind Tools

"We invent machines that are simple but designed to last a long time," says Jeff Campbell, Fresno, Calif., who, along with partner Rick Fox introduced a variety of new products at the recent World Ag Expo in Tulare, Calif.

Their company, Power Technology Unlimited, is a technology firm, not a manufacturer. None of their machines are on the market yet. "We're looking for someone to buy the patents from us," says Campbell. "Already, Home Depot, Tractor Supply Company, and United Rentals have all shown interest."



• **Power Barrow** - "This 3-wheeled motorized wheelbarrow is powered by a Honda 4 hp gas engine that chain-drives the front wheel also at a 5 to 1 gear ratio. An electric start model is also available.

"You can easily move six times your own weight over rough terrain. My 15-year old daughter weighs only 85 lbs., but she's still able to dump a 350-lb. load with one hand," says Campbell.



• **Hydraulic-powered mixer** - You can mix cement while you "drive" this hydraulic-powered mixer. Its 2 1/2-gal. poly tank is small enough to fit through a backyard gate, yet it can carry 100 lbs. of concrete. The machine is powered by a 6 1/2 hp Honda engine that

operates a hydraulic pump. You pull a pin to dump the load. Many of the same attachments that go on the Power Trakker can be used with this machine. "It can operate any attachment that runs at 7 to 9 gpm at 3,000 psi," says Campbell.



• **Power Trakker** - This 3-WD, hydrostatic-powered cart can be fitted with a mower, grader blade, wood chipper, log splitter, and more than 70 different hydraulic-operated attachments. The attachments pin to the frame. The rig is powered by a Honda 4 hp gas engine that chain-drives the front wheel at a 5 to 1 gear ratio. If desired, the rear wheels can be replaced with tracks.

The machine operates with the use of joystick lever controls and has a wide, low center of gravity to navigate slopes.

The Trakker can also be used to power hydraulic-powered hand tools.

Contact: FARM SHOW Followup, Power Technology Unlimited, Inc., 2686 N. Argyle no. 101, Fresno, Calif. 93727 (ph 559 291-2686; fax 559 291-5563; email: JDChydraulics@aol.com; website: www.powertech-unlimited.com).

"No Rust" Silage Conveyors

"Our new chain and flight silage conveyors are equipped with wooden troughs, galvanized steel sides, and rubber paddles. They'll last many times longer than conveyors equipped with metal floors," says Dick Harris, of Harris Co., Mineral, Va.

The troughs come in sections up to 8 ft. long and with chains that have 1/2-in. thick rubber paddles. Options include trough covers made from 20 ga. galvanized steel, declines, hoppers, and wood trough adaptors.

"You can also make your own wood trough and put our components onto it," says Harris. "All our conveyors are designed to operate with a minimum amount of service. Once a

customer has used our conveyors, they don't want anything else."

Three different models are available. Model LC79 is designed for applications up to 40 ft. long. It has 10-in. rubber paddles inside a trough that's 10 3/4-in. wide. Model C9412 is made of 12-ga. galvanized steel with plywood floors and a drive unit with an enclosed roller chain reduction drive running in oil. The pintle drag chain has 12-in. rubber paddles inside a 12 3/4-in. wide trough. It's designed for applications up to 100 ft. long.

Model 2020DC is designed for tunnels in silos that unload down a hole in the center of

Magnetic Key Chain Holder

Here's a simple magnetic key holder you can put on your machines.

"With four lbs. of pull strength, we've logged over 100,000 miles with them hanging on frame members or inside bumpers with no loss," says Roger Kuntz of K-Tech. "It makes it easy to hide keys under the frames of tractors, combines or pickups - or even on a shed wall - so you don't have to carry them around."

The plated 1 1/4 in. key ring holds from 6 to 10 keys.

Sells for \$5 each or \$4 apiece for five or more. Includes S&H.

Contact: FARM SHOW Followup, K-Tech, 5251 Co. Rd. X, Grainfield, Kansas 67737 (ph 785 673-5560).



Magnetic key chain holder makes it easy to hide keys under the frames of tractors, combines or pickups so you don't have to carry them around.



"It makes quick work of jobs around our farm and yard," says Steve Rapko about his home-built telescopic loader boom.

Home-Built Telescopic Loader

Steve Rapko of Selkirk, Manitoba loves the home-built telescopic loader boom he built from a couple old combines.

"It makes quick work of jobs around the farm and yard," he says.

Rapko explains that the drive wheels, axles and transmissions were taken from a self-propelled Allis Chalmers 100 combine. He narrowed up the axles, which are powered by a Hercules gas engine and power steering taken from a Deere 65 combine.

"I made two buckets for this unit - a large, 7-ft. wide one for snow, and a smaller, 5-ft. one for digging and leveling. I also have fork attachments," Rapko says. "The telescoping boom extends 5 ft. and can lift to 11 1/2 ft. high. It can handle about 2,000 lbs."

A hydrostatic pump mounts on back of the Hercules motor. It drives a hydrostatic motor that's coupled to the end of the transmission. Once a gear is selected on the transmission, a single lever controls the variable speed, plus forward and reverse movement.

According to Rapko, the operator also has

the option of using foot pedals instead of the hand lever. The boom and bucket are both controlled by a single joystick.

A power steering cylinder steers the rear wheels.

Using swing-out hinges for better access, Rapko placed the fuel and hydraulic oil tanks on the sides of the engine at the back. This also adds weight to the rear of the tractor for heavy lifting.

The boom slides in and out on 3/4-in. Teflon plates. They're far superior to greasing.

"Heat from the engines helps to warm the hydraulic oil in cold weather," he points out. "Loading and unloading is made easy and safe by bringing the loader into position, then lifting and maneuvering the load with the telescoping boom. I don't know how we'd get by without it now."

Contact: FARM SHOW Followup, Steve Rapko, Group 318, Box 1, R.R.#3, Selkirk, Manitoba, Canada R1A 2A8 (ph 204 757-2542).



Chain and flight silage conveyor is equipped with wooden trough, galvanized steel sides, and rubber paddles. "They'll last many times longer than conveyors equipped with metal floors," says Dick Harris.