

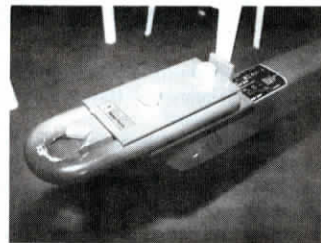
Adjustable Hitch Fits Any Drawbar Pin

A ring-type implement hitch that lets you adjust the drawpin hole size to fit any tractor drawpin was recently introduced by Brian Olson, Power Pin, Inc., Regina, Sask.

The new "Perfect Hitch" bolts onto the implement tongue in place of the original hitch. You change the size of the drawpin hole by simply loosening a bolt and moving a bracket inside the O-ring hitch forward or back. The hitch contains a polyurethane cushion that absorbs shocks to constantly maintain a tight connection on the drawpin. The hitch is available in four different categories to match the size of the implement.

"It lets you use one drawpin for all equipment hitches," says Olson. "The urethane cushion lets you keep any drawpin snug no matter what tractor or drawpin you use. We also sell a new 'hammer strap' that bolts onto the tractor drawbar. It's equipped with a rounded 'cup' that matches up with the ring on the Perfect Hitch, creating a self-aligning coupling system.

"You don't have to use the hammer strap with the Perfect Hitch. However, we're trying to sell a complete coupling system that can be used on all tractors and implements. There are dozens of hitch designs on equipment today which creates problems for farmers because they often have to work with incompatible designs and use different size drawpins. There's no standard for



Ring-type hitch bolts onto implement tongue in place of original hitch.

hitches to attach farm tractors and implements because the big manufacturers have never been able to agree on one design.

"In developing the hammer strap and Perfect Hitch, we got input from the major tractor manufacturers and the North American Standards Associations. We hope the Perfect Hitch will become the standard for implement hitches in North America. We're proposing categories for implement hitches just like there are categories for 3-pt. hitches."

Sells for \$60 to \$100 depending on category.

For more information, contact: FARM SHOW Followup, Brian Olson, Power Pin, Inc., 3018 Gordon Road, Regina, Sask., Canada S4S 2T8 (ph 306 525-8833).



"Shelter-All" is made from flame retardant vinyl that covers an arched framework made from galvanized steel tubing. One of the end panels has dual zipper roll-up door.

"All-Purpose" Portable Shelter

"Our new portable shelter is easy to assemble and makes a low-cost garage, machine shed, bale shed, calf shelter, etc. By covering the frame with a translucent fabric it can even be used as a greenhouse or as a hot tub shelter," says Jay Verhulst, Custom Covers & Awning, Minocqua, Wis.

The "Shelter-All" is made from flame retardant vinyl reinforced with polyester that's highly resistant to tearing, ripping and abrasion. The vinyl covers an arched framework made from 16-ga., 1-in. sq. galvanized steel tubing. One of the end panels has a dual zipper roll-up door (more doors can be added).

"Every day people tell me they find new uses for it," says Verhulst. "You can build the shelter up to 65 ft. wide and 32 1/2 ft. high and to any length. No building permits are needed in most areas as long as the shelter isn't mounted on a cement slab.

"It's actually a 'tension structure', because the material that covers the building is tensioned onto the frame to hold it together. Other portable shelters are bolted together. Bolts create abrasive surfaces that can corrode and wear through the fabric. Our shelter doesn't use any nuts or bolts - the frame simply slip-fits together. Duct tape with an adhesive specially formulated to resist ultraviolet light, moisture, cold, wicking and mildew is used to keep moisture from getting into the joints and causing corrosion. Cover panels are secured to the base of the frame by nylon straps through a pocket located at the base of each panel. Even after years of use the frame comes apart like the day you put it together. Two people can put up a small shelter in four hours and take it down in 2 1/2 hours.

"The vinyl cover has a high-gloss finish

that makes it easy to clean. It also readily sheds snow. The cover is actually made from two pieces of vinyl with a layer of black plastic between them that keeps the shelter completely dark. You can weld in pieces of our greenhouse fabric for use as skylights, and you can put doors anywhere you want. It heats beautifully. I have a 20 ft. long, 40 ft. wide, and 10-ft. high shelter that I heat with a catalytic heater equipped with a 5-lb. propane tank. It kept the shelter warm for three days in a row even when the outdoor temperature averaged only zero.

"The cover comes in 13 different colors. We warranty our standard 18-oz. cover for 10 years. We also offer a 22-oz. cover that's warranted on a pro-rated basis for 20 years. The frame has a 25-year warranty."

Verhulst is also working on federal approval for using his shelter over gas tanks. "New federal laws will require that gas tanks be mounted on cement containment structures which allow liquids to be siphoned off. The shelter can be extended far enough over each end of the gas tank so that rain and snow can't get into the containment. The black plastic inside the fabric reflects sunlight and keeps the tank cool to greatly reduce evaporation. The cover is fire retardant so it can't melt and drop down to fuel a fire," says Verhulst.

A 10-ft. wide, 10-ft. long, and 7-ft. high shelter sells for \$755. An 18-ft. wide, 30-ft. long, and 15 1/2-ft. high shelter equipped with doors on each end that's big enough to accommodate large tractors and combines, sells for \$4,470.

For more information, contact: FARM SHOW Followup, Custom Covers & Awning, 8766 Frank Dr., Minocqua, Wis. 54548 (ph 800 236-2687 or 715 356-4995).



New Way To Bring Calves Home

You can move calves without ever having to lift them by hand with the new Calf Tote invented by Leonard Berghoefer, Hampton, Iowa.

The new two-wheeled cart is equipped with long handles in front and a pair of pair of curved prongs in back. You slide the prongs under the calf and then lower the



Hand-held remote transmitter lets you open or close endgate on trucks, wagons, etc.

Remote Control Endgate Opener

A Canadian inventor has designed a new remote control endgate "shutoff" that lets you open or close the endgate on trucks, feed wagons, gravity flow wagons, etc., by operating a hand-held remote transmitter.

"It lets you finish leveling off grain in trucks, drills, air seeders, semis, bins, etc., without having to climb down to shut off augers," says Dale Lasko, St. Brieux, Sask., noting that the remote receiver works from up to 100 ft. away.

The heart of the system is a control box that mounts on back of the truck and is wired to the truck's fusebox. The control box electronically controls a telescoping rod

that's connected to a crossbar bolted onto the bottom of the endgate. When the cylinder is retracted the endgate raises up, and when it's extended the endgate is pushed down. There's up to 10 in. of up-or-down movement.

A toggle switch mounted on the control box lets you open or close the endgate without using the transmitter.

Sells for \$550.

For more information, contact: FARM SHOW Followup, Daleco-Built Products, Ltd., Box 266, St. Brieux, Sask., Canada S0K 3V0 (ph 306 275-2177).

handles to lift it off the ground.

"I designed it after I developed back problems and could no longer lift a struggling 70 to 100-lb. calf. The calf rests on the carrier in a natural position, and the cow's natural instinct causes her to follow behind. You can pull the cart behind an ATV for long distances. By bracing the handles on a fence rail, you can use the cart as a portable treatment table for vaccine shots, ear tags,

etc. By removing four pins, you can slip the prongs out and replace them with a box for use as a utility cart."

Available with pneumatic or solid rubber tires. Sells for about \$400.

For more information, contact: FARM SHOW Followup, Petty Mfg. Co., Hwy. 96 W., Gladbrook, Iowa 50635 (ph 515 473-3020).