

Pickup bed is removed and replaced with a hopper, fuel tank, and 35-ft. long auger that extends 12 ft. in front of the pickup.

## FORWARD-REACH AUGER UNLOADS SEED OR FERTILIZER INTO GRAIN DRILLS

### Pickup-Mounted "Auger Unloader"

"It works great for filling grain drills with seed or fertilizer and can also be used to refuel tractors and combines in the field," says Lester Schlenker, Hickory Ridge, Ark., who equips pickups with "auger unloaders" and big fuel tanks.

Schlenker removes the pickup bed and replaces it with an up to 8,000 lb. hopper, a 200 to 400-gal. fuel tank, and a 35-ft. long, 10-in. dia. auger that extends forward 12 ft. in front of the pickup. The auger goes right through the top of the pickup cab so it's low enough to fit under highway overpasses. An A-frame brace on the pickup's front bumper supports the front end of the auger. The fuel tank sits under the auger behind the cab.

"We built the first one to service crop duster airplanes," says Schlenker, a retired crop duster. "The auger's long reach allows crop dusters to safely fill the plane with seed or fertilizer without going near the propeller

blades. They just drive up to the back of the plane and auger material into the plane's hopper. Farmers like the auger pickups because they're fast and easy to use. The hopper can hold up to 250 bu. of seed or 4 tons of fertilizer and can be installed on any 1-ton-or-larger pickup. The pickup frame doesn't have to be beefed up at all, but we do recommend rear dual wheels because they help support the weight and stabilize the load. The auger can be hydraulically or pto operated. The hopper and auger are held in place by just 6 U-bolts on the pickup frame and two bolts near the cab."

A hydraulically-operated model sells for \$5,000. A pto-operated model without gas tank sells for \$4,000. Gas tanks sell for \$1 per gal. of capacity.

Contact: FARM SHOW Followup, Lester Schlenker & Sons, Box 42, Hickory Ridge, Ark. 72347 (ph 501 697-2181).

## ELECTRONIC EYE SWITCHES FAN ON WHEN SOW STANDS UP

### New "Piglet Saver" Prevents Crushing

"Our new Piglet Saver reduces deaths caused by crushing to a minimum and can be easily moved from crate to crate," says Klaas Salomons, president of Middlesex Farm Systems, Kerwood, Ontario.

The "Piglet Saver" is a vertical 6-in. dia. tube equipped with a fan on top and an electronic eye mounted on a horizontal arm. You connect the tube to the farrowing crate just before the sow is due to farrow. The electronic eye surveys the sow, switching the fan on when she stands, and off when she lies down again. Air from the fan passes down through the tube and out an opening at the bottom where it's directed across the crate under the standing sow. Piglets dislike

the airstream and move away from the sow to the safety of the creep area (behind the fan tube or at the front of the crate). When the sow lies down again there are no piglets under her to be crushed.

One Piglet Saver serves 15 to 20 sows. "It's an inexpensive way to reduce piglet mortality," says Klaas Salomons, president. "Tests show it runs an average of about three hours per day which is the time the sow is standing. Total energy use is about 95 watts per day, so operating cost per hour is about one third that of a heat lamp. You use it until the piglets are 4 to 5 days old. The electronic eye can be adjusted to different heights depending on sow size. A pipe in-



Burns installed the lift arm on a wood-hauling trailer he built out of an old army truck.

## BUILT FOR WORKING SMALL WOODLOT

### Log Hauler Has Lift Arm And Two Powered Axles

Small wood lot owners will be interested in this log hauler built by Quebec farmer Malcolm Burns.

"For many years part of our farm income has come from the harvest of wood. Originally I hauled wood with a tractor and a tandem trailer with a capacity of about one cord. But loading wood is hard work and I wanted to find a faster and easier way to handle it. I couldn't justify the price of a commercial hydraulic loader and didn't like the light construction anyway, so I decided to build my own.

"I built the loader arm in my shop and, other than two broken pins in the hydraulic clam grapple, I've had no problems in four years of use.

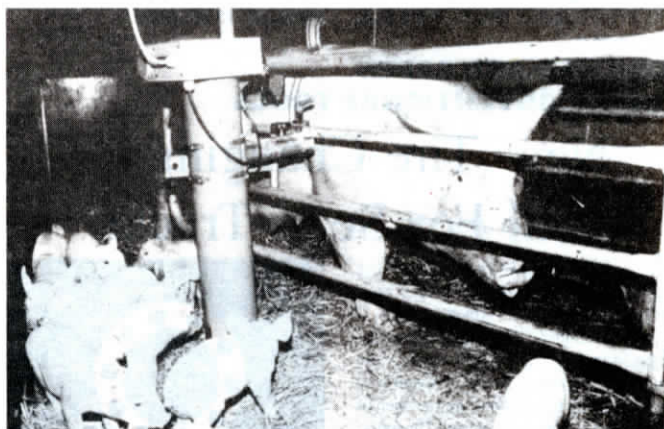
"This past winter I built a new wood-hauling trailer out of an old army truck and installed my loader on it. I cut off the truck just behind the cab and made a new 3 by 6-in. tube frame in a "V" shape under the truck frame with a swivel tongue for hitching to the tractor. The driveshafts from the two rear axles are connected to a transfer case

which reverses the direction of the tractor pto. I installed a 4-speed GM transmission between the tractor pto and the transfer case on the trailer. I'm able to match the tractor's low-range gears with the wheel speed of the trailer.

"As an added special feature I installed a homemade posi-drive ratchet on the transmission's input shaft. On solid ground the tractor pulls the trailer with no assist from the drive axles but whenever the tractors wheels slip, even if only slightly, the ratchet engages and the trailer moves along on its own power.

"I can haul 1,500 ft. of logs, or about 2 cords. Clearance beneath the differentials is approximately 15 in. The tandem axles lets the trailer ride easily over stumps and small hollows. Building the loader and trailer cost about \$7,000, not including labor."

For more information, contact: FARM SHOW Followup, Malcolm Burns, Rt. 1, Cookshire, Quebec JOB 1M0 Canada (ph 819 875-5371).



The 6-in. dia. tube is equipped with a fan on top and an electronic eye mounted on a horizontal arm. The electronic eye switches the fan on when the sow stands, and off when she lies down again. Air is directed across the crate under the standing sow.

side the horizontal arm lets you move the fan tube closer to or farther away from the farrowing crate to control air flow velocity."

Sells for \$325 (Canadian). U.S. dealer

inquiries welcome.

For more information, contact: FARM SHOW Followup, Middlesex Farm Systems, RR 3, Kerwood, Ontario, Canada (ph 519 247-3862).