



Grader blade attaches to fifth wheel and is operated by air power.

## AIR-OPERATED BLADE HOOKS UP LIKE A SEMI-TRAILER

# 5th Wheel Blade Fits Semi-Tractors

There aren't too many jobs you can do with a semi-tractor other than pulling a trailer over the road. That's what prompted a Canadian inventor to come up with a new grader blade that attaches to the fifth wheel and is operated by air power.

Harold Harfman, president of Salmo Industries in Salmo, British Columbia, says the big, heavily-built blade is ideal for grading roads and moving snow.

"It's fully air-operated, controlled with 12-volt solenoids and pneumatic valves. Three toggle switches mount on a small control box attached to a cord that runs from the cab to the blade. The blade can be angled by the toggle switches to three positions going forward and three positions backing up. For highway transport, the

blade angles straight backward to stay at legal width. It's also equipped with lights for road use," says Harfman.

Blade mounts like any 5th wheel trailer and is secured to truck frame with tie downs. The part that rests on the truck frame is rubber-lined. Takes less than 15 min. to hook and unhook blade from truck. Hooks up just like a semi trailer, with air lines and light cord. Blade travels up to 4 ft. above ground level and 10 in. below. It's spring loaded to prevent damage to truck or blade.

Harfman manufactures the blade and is also interested in selling rights to invention.

Contact: FARM SHOW Followup, Harold Harfman, Salmo Industries, Ltd., P.O. Box 205, Salmo, B.C. V0G 1Z0 Canada (ph 604 357-9452).



Toggle switches mount on control box attached to cord that runs from cab to blade.

## MOUNTS IN PICKUP BED AND AUGERS COBS OUT THE REAR IN A 10-IN. WIDE WINDROW

# Pickup-Mounted Ear Corn Feeder

If you feed ear corn to cattle out on pasture, you'll be interested in this pickup-mounted feeder from Meyerink Farm Service, Platte, S. Dak., that delivers cobs out the rear in a 10-in. wide windrow. It can also be used to feed shelled corn and other supplements.

The 9-ft. long steel box fits into the bed of any standard 3/4-ton or 1/2-ton pickup. It's secured with two load binders hooked to stake pockets at each rear corner of the pickup. An apron chain, powered by a 12-

volt continuous duty DC motor with gear reduction drive, drops feed into a rear-mounted cross auger that delivers it in a windrow just behind the pickup's rear left wheel. Unloading is controlled by a remote switch from inside the cab.

"Feed drops into the wheel tracks so it doesn't get tramped down as much in mud or snow like it would if it were scattered out," says Dave Meyerink. "Driving in a slight arc leaves a track two tires wide that

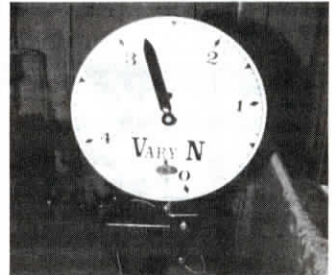
# Simple Kit Changes Rate Of "N" On The Go

A Canadian farmer who was tired of using "average" soil tests to determine nitrogen needs on his rolling, variably soiled fields has come up with a nifty new motorized meter kit that lets him change rate of nitrogen on the go as dictated by changing conditions.

Brian Tochor of Yarbo, Sask., came up with the idea for his own use and is now selling the kit to fit John Blue and Continental anhydrous ammonia meters. He plans to fit other meters in the near future as well as liquid nitrogen meters.

The kit consists of a small 12-volt electric motor that attaches to the adjustment knob on the meter and is controlled by a pair of push-pull buttons in the tractor cab. The motor has a sprocket that chain-drives (via a tiny chain) an easy-to-read calibrated dial. Using the buttons, the operator can increase or decrease flow of anhydrous on the go.

"I have rolling ground. On top of hills I needed more nitrogen and in low spots I didn't need as much. The problem is that they recommend you take soil tests on the sides of hills so you get an average reading to apply to the whole field. That means you don't get enough nitrogen on top of hills and you get too much in low spots. With this system, it's easy to get an immediate change no matter where you are in the field without having to climb down off the tractor," says



Easy-to-read calibrated dial hooks up to anhydrous ammonia meter.

Tochor, noting that the system also lets you adapt to changing soil types in flatter fields which might have both sandy and clay soils, for example. "It also lets you change rate of application when applying N to a field where two different crops may have been raised the year before. Nitrogen requirements can be markedly different between corn and bean ground, for instance."

Tochor's "Vary-N" kit includes a new meter stand. You mount your meter on the stand and couple it up to his electric motor coupling. Then you simply run a wire from the stand up to the tractor.

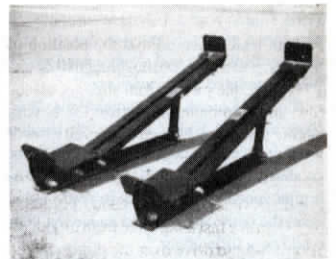
Sells for \$600 (Canadian). Contact: FARM SHOW Followup, Brian Tochor, Vary-N Ltd., Yarbo, Sask. Canada (ph 306 745-3842).

# Low-Cost Header Hauler

You can transform almost any running gear into a handy header hauler with a new kit from M.D. Products, Schaller, Iowa.

Keeping equipment shedded helps boost resale values but getting a big combine head inside can often be a problem. A trailer type transport lets you roll a head into tight spots that you might otherwise never get into, even with a 3-pt. carrier.

The kit consists of two brackets that mount at either end of a running gear. First step is to lengthen the distance between axles to about 13 ft., and then weld the pre-assembled bracket kits to each bolster. Then you simply bolt a wood or steel beam across the upper ends of the two brackets, running the length of the trailer. This beam supports the platform or snouts. If the length of the head exceeds 20 ft., you may need to lengthen the running gear tongue.



Brackets bolt to wagon running gear.

Sells for \$239. Can handle any size header.

Contact: FARM SHOW Followup, M.D. Products, 104 Main St., Schaller, Iowa 51053 (ph 800 637-7631 or 712 275-9910).



Steel box fits into pickup bed, and apron chain drops feed into rear-mounted auger.

makes it easier for cattle to find feed in deep snow. It's a low profile unit with the center of gravity only 8 in. above the pickup bed. An optional bolt-on attachment lets you unload into feed bunks."

The box weighs 1,100 lbs. Capacity is

2,400 lbs. Sells for \$3,300.

For more information, contact: FARM SHOW Followup, Meyerink Farm Service, Rt. 1, Box 219, Platte, S. Dak. 57369-9790 (ph 605 337-2621 or 800 658-2293).