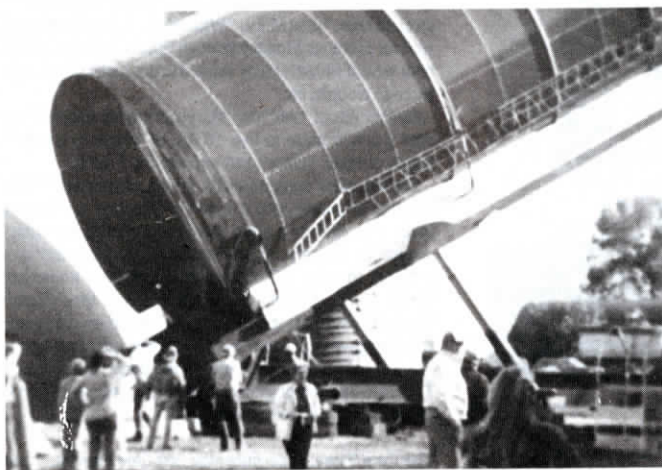


## "BEST IDEAS" FROM 15 YEARS OF FARM SHOW

# Farmer Ingenuity At Its Cost-Saving Best

Each issue of FARM SHOW, published bimonthly (six times a year), introduces right at 100 latest new products and ideas, most of them born in farm and ranch workshops. Over the past 15 years, it adds up to more than 9,000 new products and ideas brought to you first by FARM SHOW. Here's a random selection from past issues which reflects FARM SHOW's trademark — farmer ingenuity at its cost-saving best!



### World's First "Silo Mover"

One of the most ambitious farm shop projects we've ever seen is this "world's first" silo-moving machine built by North Dakota farmer Walter Grotte and his son Barry, of Finlay, N. Dak. (ph 701 524-2323). They back the machine to an upright Harvestore silo, load it intact onto the mover, haul it down the road at 40 mph, then set it back up at the new site.

"Our going rate for moving silos is right at \$10,000, about half of what silo companies charge. In most cases, we can complete the job in two days. We also move large dryers, bins and tanks," says Walter. "For silos, we build a supporting framework inside the silo to keep it from collapsing when laying flat on the trailer."



### Farmer-Built Articulated Combine

"I designed and built it from scratch," says Wayne Vogel, Fremont, Mich., about the amazing 4-WD articulated rotary combine — it may be the first one ever built — which he constructed in his farm shop.

First featured in FARM SHOW 9 years ago (Vol. 7, No.3), it not only boasts the unique articulating design that makes the machine longer and narrower while splitting up the engine and drive components from the grain cleaning components but also features an exclusive grain cleaning system.

"One of the problems with big combines is the feederhouse, so I eliminated that. The header feeds directly into the rotor which mounts perpendicular to the header, butted right up against the back of it. From the rotor, grain is fed to sieves, some of which are from an IH 915 and some built in my shop. They're mounted in a housing I designed and built," says Vogel.

Except for the IH sieves and an IH cab, a Deere header and a Gleaner discharge auger, Vogel built the corn-soybean combine from the ground up. Total cost of the project was \$50,000.

"The articulated design allows the combine to stay on the row better in muddy conditions. It harvests as clean or better than any other combine on the market," says Vogel.

The combine is equipped with a 160 hp 6-71 GMC diesel engine, two differentials with 27.1 interplanetary drive, and hydrostatic variable speed drive. All motors, pumps and reservoirs are mounted on the rear half. The cab, header and grain cleaning and handling mechanisms are on the front half. The 175 bu. grain tank is also mounted on the front half, but in such a way that it's balanced between the front and back. The two halves of the 22,000 lb. articulated machine are equally balanced.



### Loader For Pickups

"I don't know how I ever got along without it," says Grant Hanson about the first-of-its-kind front end loader he designed and built for his 4-WD IH Scout.

He can handle up to 1-ton big round bales with his Scout. Soon to come is a commercially-available heavier duty loader for 1 and 2 ton pickups that will handle the largest big round bales, stacking them two high on

top of a flatbed.

Hanson built the loader using lift arms from a Farmhand loader, widened out to fit the front of the vehicle. He powers the loader with hydraulics salvaged from a junked 100 hp Case tractor.

Contact: FARM SHOW Followup, Grant Hanson, 200 14th ave. NE, Glenwood, MN 56334 (ph 612 634-4681).



### "On-The-Go" Bale Wrap Machine

You've never seen anything quite like this home-built "on-the-go" bale wrap machine that Lewis Zimmerman, East Earl, Penn., pulls behind his Deere 530 round baler.

The add-on machine attaches to the baler axle. It loads and wraps round bales in one operation, controlled by an operator on a side-mounted platform. The machine's turntable hydraulically tilts 45° forward to accept bales as they exit the bale chamber and tilts 45° backward to dump them off after they're wrapped.

"It eliminates the time and tractor needed

to pick up bales from the field and haul them to a stationary bale wrap machine," says Zimmerman. "It saves an operation and doesn't slow up the baler at all. It also allows me to wrap high moisture bales on-the-go while they're perfectly round to ensure trouble-free wrapping."

Once bale is wrapped, it falls onto a 5-ft. wide, 6-ft. long section of canvas that's bolted behind the bale wrap machine and drags along the ground. Bale is pulled along on canvas for a short distance, then rolls off.

### "Chain Sickle" Mower

We had more than 600 inquiries from FARM SHOW's report on our new chain sickle," says Minnesota farmer Willard Pearson, of Dawson. "We'd like to work out a licensing agreement with an interested manufacturer."

Operating much like a chain saw, the sickle chain uses conventional sickle sections placed side by side in a continuous chain. A hydraulic orbital motor allows the operator to vary chain speed. It can be run clockwise or counter clockwise. All sections wear evenly.

Pearson, who has installed a working prototype on a 7 ft. hay mower, says the invention will adapt to fit combines, swathers and mower-conditioners of all sizes — even flex heads.

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