

Old Feed Truck Makes Great Grain Wagon

When they needed a good, heavy-duty wagon, Doyle Scott and his sons Ray, Bob and Terry of Hoagland, Indiana, decided they could make one for less than they could buy one.

They started with the frame of an old GMC bulk feed truck. The truck, which Scott says was a 1960s vintage vehicle, had only a single rear axle.

"All we had to work with was the frame, which we pulled out of the weeds behind a local elevator," Scott says.

The coil spring front and leaf spring rear suspensions were still intact and they decided it would be good to leave those to make the wagon more flexible and stable.

"We took out the steering box and added a tongue, which we connected to the existing tie rods for steering," Scott says. They made the tongue from used channel iron and machined a couple of plates to fit over the tongue and steering control arms. They put bearings in the plates to allow the tongue to pivot.

The hitch end on the tongue has an extension on it that lets them back the tow vehicle or tractor up to it without being too exact where they stop. Once they've hitched on, they merely back up to close up the extension and lock it in place before driving off.

They built an 8 by 24 by 3-ft. deep box for it from scratch, using two 24-ft. long 6 by 6-in. oak beams for the base. They set the 6 by 6s about 30 in. apart and put 8 ft. long 4 by 4s across those every 4 ft. The box itself is made of 3/16-in. thick sheet steel, which they cut and welded together. It has a small rear door in the tail gate, just like a grain truck box. They hinged the box at the back and put a three-stage truck hoist with two hydraulic cylinders under it so they could raise it to dump.

"The wagon has its own hydraulic pump for the hoist, powered by a pto shaft from the tractor," Scott tells.

"Dad ran across another rear axle for that particular truck, so we added it ahead of the

existing axle. It helps take some of the weight off the steering axle, so it pulls and steers a little easier."

They didn't install brakes on the wagon, although Scott says they might be a good idea. "We usually pull it with a tractor, going fairly slow, and never go more than a couple of miles with it," he says. The wagon holds about 500 bu. of grain. The Scotts figure they have about \$1,200 invested in it, and right at \$1,000 of that was for the hydraulic hoist, which was salvaged from an old dump truck.

Contact: FARM SHOW Followup, Ray Scott, 11910 Hoagland Rd., Hoagland, Ind. 46745 (ph 219 639-3195; E-mail: rs11910@aol.com).

A three-stage truck hoist with two hydraulic cylinders is used to raise the box to dump.



The Scotts started with the frame of an old GM bulk feed truck and built an 8 by 24 by 3-ft. deep box for it from scratch. Box is hinged at back.



Extend Your Reach With "X-tender"

When standing on your tiptoes just isn't enough, you might want to try the new "X-tender" by C. Dean Peterson, a research and design engineer from Johnston, Iowa.

"I was painting a house with an overhang I couldn't reach," recalls Peterson. "I needed a tool with a wrist-type action that would work on vertical and horizontal surfaces."

His solution was to design, build and patent a tool to extend reach from 30 to 36 in., depending on individual wrist and arm

strength. The tool is designed to be used with both hands. He now manufactures and sells it for \$24.95.

The X-tender consists of two 1/2-in. rods that form the arm of the tool and a handle at the lower end. A tool mounting plate can be adjusted to hold a tool at any angle. Wing nuts on U-bolts allow tools to be inserted or removed quickly. Angle adjustment is accomplished by loosening or tightening the bolts.

Over the past year, Peterson has sold more than 6,000 X-tenders thanks to a seven minute video clip of his product that has been shown on the QVC shopping channel.

Contact: FARM SHOW Follow-up, C. Dean Peterson, 625-0 Country Ridge Ln., Johnston, Iowa 50131 (ph 515 254-0525); E-mail: xtender9@aol.com; Website: www.bestofiowa.com/xtender/

It's easy to change angle of X-tender to handle hard-to-reach paint jobs.



Celebrating 24 Years Of Great Ideas!

We're proud to announce the latest new edition of what we think is one of the most valuable reference tools ever created for farmers and ranchers: FARM SHOW Magazine on CD-Rom!

The latest new version of FARM SHOW on CD-Rom includes 24 years of issues plus a state-of-the-art "searchable" electronic index that makes it easy to find any invention or idea.

Every story ever published in FARM SHOW is cross-referenced in one or more of 200 categories. You can search by key word in story title, manufacturer or farmer name, or by category.

You can also browse through all 24 years of FARM SHOW at your leisure. The pages of the magazine appear in their original form, on the screen so you can "page" through them at your leisure.

"FARM SHOW On CD-Rom" sells for \$39.95 (\$57.95 Canadian) plus S&H. If you bought the first or second edition of FARM SHOW on CD Rom, you can buy this "3rd Edition" for the "upgrade price" of just \$19.95 (\$29.95 Canadian) plus S&H.

This CD-Rom is extremely easy to use, even for beginners. Comes with a 100 percent money-back guarantee. If you're not happy with the CD-Rom for any reason, we'll refund all of your money, no questions asked.

This CD-Rom works on any personal computer (PC or Mac). Minimum requirement: Windows 95 or Mac System 7.0.

CD-Rom Order Form



Yes! Please rush me a copy of FARM SHOW Magazine on CD-Rom, which includes every issue of FARM SHOW ever published plus a "searchable" electronic index. Payment of \$39.95 plus \$2.95 S&H (\$57.95 Canadian plus \$2.95 S&H. Add 7% GST).

Your Name _____

Address _____

City _____

State/Prov. _____ Zip _____

Please make check payable to: FARM SHOW. Mail to: FARM SHOW Index, P.O. Box 1029, Lakeville, MN 55044 ph 1-800-834-9665.

FROM THE EDITORS OF

FARM SHOW
MAGAZINE



**SEARCHABLE
ELECTRONIC
DATABASE OF 20,000
FARM INVENTIONS**

**FARM SHOW
Magazine
On
CD-ROM**

3rd Edition

CD-Rom
For
PC or Mac

Contains Every Issue
Published From:
Volume 1, Number 1, 1977
To
Volume 24, Number 3, 2000

Note!

This 3rd Edition Of FARM SHOW on CD-Rom Includes A Searchable Electronic Index That Makes It Easy To Find Any Story By Title, KeyWord, Or Name Of Inventor Or Manufacturer