

## Money-Saving Repairs & Maintenance Shortcuts

(Continued from previous page)  
out of parts salvaged from an old truck frame. He welded the pieces of heavy channel iron into a house-shaped frame with a pair of crossbars. He runs the press with a conventional hand jack. On one side of the



frame, he mounted an old time drill press, powered by an electric motor on top of the press frame."

**Lloyd Meffert, Hettick, Ill.:** Lloyd built this foldup tire changer to conserve precious floor space in his shop. He uses it to repair



all sizes of tires from lawn mower on up. He built a hinged frame that bolts to the base of his overhead crane. When he needs to work on a tire, he just folds it down.

**Bayard Young, Elkwood, Va.:** "I used to have problems losing my place when working on corn picker chains, and other chains like that. I solved the problem by keeping a small can of paint handy to mark the master link. Lets me know at a glance where I'm at."

**Carmen Mawson, Ardmore, Alta.:** "Replacing the clutch spring on Case 1070 tractors is tough. I came up with an easier way to do it. Simply fill each ring of the spring with washers. Then put the spring in place and step on the clutch. All the washers will fall out and the spring will stay in place."

**William Fazer, Powers, Mich.:** "I salvaged an old computer desk to make this portable storage unit for my Lincoln wire feed welder. A hole cut near the back of the top shelf allows the CO2 tank to set on the lower shelf. The bottom of the tank is held in place



by small strips of wood. Pegboard on the rear of the lower storage area holds spare tips, spools and small parts. To handle the extra weight, I replaced the plastic casters with steel wheels. I also added two small handles to the top of the unit to make it easy to roll the cart out from under the workbench."

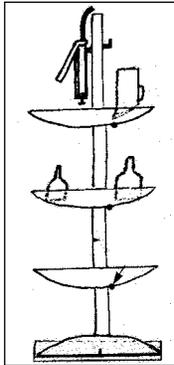
**Kevin Gogerty, Hubbard, Iowa:** Here's how Kevin keeps his Deere cornhead

looking like new. Each year, before putting it away for the winter, he cleans it up good and then gives it a light coat of John Deere green paint using an aerosol spray can. He says it's quick and easy to do and prevents



corrosion from taking hold.

**Pete Peters, Osler, Sask.:** "I made a nifty funnel stand that avoids the mess of storing oil funnels on your workbench. It consists of concave discs mounted - curved sides down - on an upright piece of pipe. Then you drill a drain hole in the bottom of each disc so oil drains from each disc down to the one below it. You just put the empty oil container in the disc to drain. The bottom of the funnel stand sets in a metal or plastic tray to catch the oil that drips out. I also put some hooks at the top of the stand to hold grease guns.



"Here's a jack attachment that I use for removing transmissions. It fits onto a



standard floor jack. It consists of a flat metal rack made from short pieces of strap iron. A metal shaft fits down into the jack. It slips on and off as needed. Quick and simple."

**James L. Evans, Hammond, N.Y.:** "On a Ford 6610 tractor, the driveline for the front wheel assist is covered by a heavy shield. To grease the universal on the front you have to drop the shield. It's very time consuming to get back on. I solved the problem by cutting a 4-in. hole under the universal. Now it's much easier to keep greased."

**Roy Crane, Martinsville, Ill.:** "On an International Harvester 1460 combine, the pan under the beater was hard to raise or lower because it doesn't have any way to get ahold of it. I replaced the short bolts on the rear of the pan that must be loosened for the adjustment with 6-in. long bolts with a jam nut at the base of the bolt. Now, whenever adjustment is needed, I just loosen the jam nut and grab hold of the bolt and put the pan where it's needed. Then retighten the jam nut and I'm done."

## They Specialize In IH Manuals, Service Guides

A tractor and its owner's manual are soon parted and, to the dismay of most people who restore or collect tractors, the two are seldom reunited.

If you're looking for an owner's manual for your IH or Farmall antique or collectible, chances are Scott and Cyndi Satterlund, Tigard, Oregon, have it.

The Satterlunds operate Binder Books, a company that specializes in original and reprint manuals for all International Harvester products. So whether you have a McCormick Deering Tractor, a Cub Cadet garden tractor or an IHC Scout, they've got the manual.

While his professional background is in printing, Scott's grandfather was a Case-IH dealer. Having grown up with "red" blood, Scott began collecting IH literature as a child. This collection increased significantly in size when he bought a wealth of material from a retiring IH dealer in the late '80s.

As a collector of IH machines (the Satterlunds own several tractors, engines, a couple of vintage Scouts and a pickup), they realized there was a market for manuals and materials. They acquired the right to reprint International books and literature and, in 1991, opened their business. It was part time at first, but in the past year, they've opened a store where they sell books and manuals as well as toy tractors, tin signs and other collectible items.

They've continually added to their offerings. They have International Harvester Co. owner's instruction manuals, parts catalogs, service manuals and even some of the sales brochures used by dealers to sell products. They also stock manuals and parts catalogs for several other makes of farm tractors and implements, including Allis Chalmers, Ford, Case (VA Series only on hand), David Bradley, Avery, Minneapolis Moline and Oliver tractors and Page garden



**Although Binder Books specializes in IH, the company offers manuals for other brands as well.**

tractors. They don't have all the books for these manufacturers but they're adding more literature all the time. If the original manufacturer is still around and has a supply of the item you need, they can get it for you. Don't hesitate to ask about manuals for products from companies that no longer exist, too, as they can usually help find them.

In addition, they have decals, seat pads, painting masks, and even canvas storm covers for Ford 8N, 2N and 9N tractors.

As a Red Power collector, Scott is always looking to add to his collection, but there's one tractor he'd really like to find. "It's a wide-front end 1948 C Farmall, serial number 69578. My father bought it when he farmed near my grandfather's dealership just outside Cumberland, Wis. I look for it whenever I'm back there, but no luck so far," he says.

You can find a complete list of Binder Books' products on the Internet at [www.binderbooks.com](http://www.binderbooks.com). Or you can call them between 10 a.m. and 6 p.m. Pacific time. If you have manuals you'd like to sell, you can contact the Satterlunds about those, too.

Contact: FARM SHOW Followup, Binder Books, Box 230269 Tigard, Oregon 97281-0269 (ph 503 684-2024; fax 503 684-3990; Web site: [www.binderbooks.com](http://www.binderbooks.com); E-mail: [sac@binderbooks.com](mailto:sac@binderbooks.com)).

## Filter Systems Clean Up Shop Air

Welding, grinding, cleaning, cutting, painting, and just about anything else you do in your shop puts dust particles into the air that you'd probably be better off not breathing.

Wayne Hughes, owner of Air-Vac Systems, Cedar Falls, Iowa, can help keep shop air clean. For 13 years, Hughes has been making and selling air cleaners for repair and body shops, factories, restaurants, and other places of work. He recently started selling to farmers for use in farm shops.

Hughes' air cleaners are housed in simple 16 gauge steel cabinets that measure 2 ft. square by 6 ft. long. An electric fan mounted at the center of the box pulls dirty air through filters in both ends and blows clean air out a vent at the center.

Air-Vacs use two types of filters. Air enters through a 4-in. pre-filter and continues through a bag-type filter. Because there are two sets of filters, Hughes says his air cleaner has twice the filtering capacity of most of his competitors.

Installing an Air-Vac system is simple. Hughes says the best installation is to suspend the unit by four chains from a ceiling or rafter. Or, it can be set on a shelf or bracket along the wall if that's more convenient. Four eyebolts for hanging the unit are standard equipment.

He makes two sizes of air cleaners.



**An electric fan at center of box pulls dirty air through filters in both ends and blows clean air out a vent at center.**

Model M-30 uses 115-volt single-phase power to operate a 3/4 hp electric motor. It has two fan speeds and can filter a maximum of 3,000 cu. ft. of air per minute. Hughes says it will easily handle air filtering needs in a 1,500 to 2,500 sq. ft. area. It weighs 175 lbs., and sells for \$1,890 plus S&H.

Model M-30C is powered by a 220/440-volt 3-phase 2 hp motor. Its single speed fan processes 4,000 cu. ft. of air per minute. It will handle up to about a 3,000 sq. ft. area. While the cabinet is identical to the smaller unit, this higher capacity unit weighs 270 lbs. and sells for \$2,290 plus S & H.

Air-Vacs will remove most particles from the processed air, but will not remove odors or gases that could be harmful.

Contact: FARM SHOW Followup, Air-Vac Systems, 3325 Terrace Dr., Cedar Falls, Iowa 50613 (ph 800-234-2473; fax 319 266-2524; E-mail: [waybar20@aol.com](mailto:waybar20@aol.com)).