

ing and telescopes out to a length of 6 ft. The two sections are held together by a steel pin. The tongue, as well as a collapsible frame that's attached to it, is free to slide back and forth on a steel pipe at the front of



the ATV. The pipe is connected to a steel plate that bolts onto the ATV's front guard. The tow bar folds up into three sections for transport. I spent about \$75 to build it. (**Richard Peden, 13109 N. 400 E., N. Manchester, Ind. 46962 ph 219 982-2218**)

We've been in the business of making stainless steel mufflers for cars and boats for years and can custom make the components (mufflers, pipes, etc.) to fit most makes of tractors and trucks. The tubing is available plain or polished. (**Stainless Specialties, Box 781035, Sebastian, Fla. 32978 ph 800 735-9121 or 407 589-4190**)

Our covers for plywood grain storage units aren't new, but FARM SHOW readers may not be familiar with them. Economical and



easy-to-use, these covers are made of a tough reinforced woven poly fabric with waterproof outer layer. They feature reinforced grommets at 3-ft. intervals around the outer edge for rope tie-downs (included) and welded waterproof seams. They're vented at the top to allow moisture to escape and come in sizes to fit plywood storage units ranging from 1,800 to over 7,000 bu. capacity. Prices range from \$110 to \$442 (Canadian). Our covers last up to 10 years. (**John Goudy, Inland Plastics Ltd., Box 2199, Drumheller, Alberta, Canada TOJ OYO; ph 800 661-1062 or 403 823-6252; fax 7310**).

I sell combine and grain drill monitors based on systems I built for my own equipment and have used for years.

The combine tailings monitor is for Case-IH 1400 and 1600 series combines. The problem is that

when you adjust your sieves to get a cleaner grain sample, the combines have a tendency to plug up the return auger and you have no way of knowing it happened. My system consists of



an electronic sensor mounted on the right side of the combine between the top of the tailings elevator and rotor cage. You have to do a little tin-cutting to mount the sensor, which wires to a monitor with both visual and audio alarms in the cab. If a moderate build up starts in the return, the light flickers and if a heavy return builds up it becomes a steady light. It sells for \$155 plus \$3 to \$5 S&H.

I also offer a low-cost electronic monitor for all makes of grain drills that tells you at a glance whether the drill's working, instead of having to turn around all the time to find out. It consists of a magnet and switch mounted close to any revolving shaft to alert the operator when a chain is thrown. You tape the magnet on the shaft and place the switch, which is enclosed in a plastic tube, parallel or sideways across the shaft. The switch wires to a monitor with audio and visual alarms inside the cab and is triggered whenever the magnet stops turning, indicating the shaft has stopped rotating. Including 20-ft. of wire, the system sells for \$120 plus \$3 to \$5 S&H. I can also make systems for 2 and 3-gang drills with a monitor for each gang. (**John Moffit, M&M Mfg., 299 Echo Ave., Mechanicsville, Iowa 52306; ph 319 432-6583**).

When our kids outgrew the old tractor cab that had served as their roadside school bus shelter, I decided I could still get some use out of it by adapting it to fit the 1961 Farmall 460 I use to push snow.

The early 1970's Cozy Cab was too long



for the 460 so I cut 14 in. out of the section behind the doors and 14 in. from the back of the roof. I took 3 in. off the framework of the front window because it caused the cab to rest too high on the tractor. I narrowed up the lower right window panel 3 in. because it butted up against the brake pedal. I moved the rear section up to the door jamb. Doors wouldn't open because they'd hit the tractor tires so I removed the lower half of the operator's door and replaced it with a panel that raises and lowers to allow the door to open and close. It operates on a pivot, a solid rod going through the cab, that mounts in a pillow block bearing holder. An arm fitted with a gas strut off an automobile hatchback mounts on the pivoting shaft to help raise and lower the panel, which is controlled from the door latch. I added a pair of quartz lights and a rear windshield wiper for visibility at night.

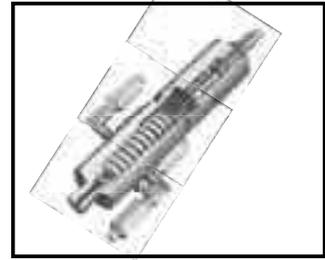
I also rigged a sprayer unit for my Deere Hydro 175 lawn tractor equipped with 38-in. deck. It mounts on back of the tractor allowing me to back out of tight spots, some-



thing I couldn't do with any of the conventional trailed sprayers I looked at. I built mounting brackets out of 1/8-in. thick by 2-in. wide strap iron and attached them to the rear of the tractor with carriage bolts in existing holes. The brackets accommodate a 15-gal. spray tank. I use a 12-volt sprayer

Our automatic oiler extends sprocket and chain life on farm equipment up to three times longer. "Lube Minder" comes with a 2-quart oil reservoir that will last an average of about 8 hours. One unit will automatically pump oil to each chain and sprocket on the machine. It's activated by any double-acting hydraulic cylinder on the machine. For example, on a combine you use the cylinder that swings the unloading auger back and forth; on a round baler, the cylinder that opens and closes the tailgate; on a mower-conditioner, the cylinder that raises and lowers the cutting head. You simply plug the Lube Minder into the cylinder and then the oil will be activated each time the cylinder is used.

Each oil line runs to a brush located next to a sprocket or chain. The brush removes debris while dispersing oil. Works great on combines, round balers, mower-conditioners, forage harvesters, manure spreaders, and other sprocket-drive equipment. (**Suburban Mfg., Inc., 301 Chelsea Road, Monticello, Minn. 55362 ph 800 782-5752**)



pump and 4-ft. boom fitted with two commercial nozzles to give me spray coverage of approximately 7 ft. The system operates with a dash mount on-off switch and removes quickly and easily when you're finished spraying. (**Harvey Svec, P.O. Box 469, Brookings, S. Dak. 57006; ph 605 692-5131 or 629-3941**).

FARM SHOW readers familiar with our turbine-powered pond mills may be interested to learn that we've got a new simpler, lighter and more economical model out. The Savonius # 103 uses a series of air scoops to direct drive the system's underwater propeller, instead of the turbine which drives the propeller through a gearbox on our two earlier models. It features the same drawing capacity - down to 33 ft. - as our turbine-driven models, and nearly as good efficiency. Needs a 10 mph wind to operate, compared with 6 mph for the turbine models. Sells for \$1,860 (U.S.). (**Basil J. Leonard, Environ Mills International Inc., R.R. 4, Sunderland, Ontario, Canada LOC 1H0; ph 705 357-2406, fax 1482**).

I want to build a ridge planter similar to the ones featured in FARM SHOW Vol. 20, No. 2. I'm specifically looking for a 4 or 6-row double disk-type planter such as a Cyclo or Deere 7000 or 7100. Trouble is, here in Texas, most of these makes of planters are 8-row and used ones are hard to come by. I'd be willing to drive anywhere in the continental U.S. to buy such a planter and four spare seeding units of any make if the price is within reason. If anyone can help, call me collect or write. (**Jeff Roberts, 16707 Hubenak Rd., Needville, Texas 77461; ph 409 793-4585**).

FARM SHOW readers might be interested in this photo I took while on a visit to Siberia last year. It shows Iosef Kuznetsov (center) and Ivan Petroc (right) discussing a multi-function toolbar Petroc welded together for vegetable production in this Alaska-like area east of the Urals. What's so remarkable



about this is that it's the first and only time in six trips to the former Soviet Union I've ever come across a farmer who's been able to fabricate an implement of any kind.

Additionally, Petroc has built several buildings, fabricated an entire wood sawing and planing operation.

Incidentally, I've left copies of FARM SHOW and your "Encyclopedia of Best Ideas" in five former Soviet states as well as Vietnam. I enjoy your magazine and if I were allowed only one, it would be yours. (**Allen Bjergo, 829 Weber Butte Trail, Corvallis, Mont. 59828**).

I wrote to the Eldora, Iowa, company selling the "No Spill" push-button gas can after I read about it in FARM SHOW (Vol. 20, No. 5). When my letter went unanswered, I wrote again and even called a couple times with no better luck. What gives? (**William R. Smith, 660 Devonshire Drive, St. College, Pa. 16803**)

Editor's note: The company no longer handles the gas can but it's still being manufactured. Midland Metal Manufacturing can direct you to a supplier in your area. (1219 Lydia Ave., Kansas City, Mo. 64106; ph 800 821-5725, fax 800 877-5391).

My 31-year-old Holder tractor is one of the loves of my life. Every other owner I've ever spoken with seems to feel the same way. That's because these German-built tractors were incredibly advanced for their time. For example, my AG3 4-WD features full articulation and a 40 hp diesel engine. I'd be interested to hear from anyone with parts, implements or repair/parts manuals to sell, or from other pleased owners to compare notes. (**Bill Cahill, Fort Salonga Orchard, 30 Meadow Glen Rd., Northport, N.Y. 11768; ph 516 269-9666, fax 2983**).

Here's a 1971 Polaris snowmobile I made into a convertible, multi-purpose vehicle I call my "Snowwheeler". The original track and drive system went bad and would have cost



hundreds to repair. Since the machine's 295 cc engine still ran well, I figured I could still get some use out of it both winter and summer.

I constructed a rear suspension swing

(Continued on next page)