

## Comfy Seat Cushion With Air-Filled Cells

Sitting for long periods can make you sore and stiff. This new seat cushion uses air-filled cells to reduce numbness and fatigue, virtually eliminating the pressure points that causes them. The portable cushion can be used in tractors, trucks, combines, and even in your home or office.

The Airhawk comfort seating system is a 19-in. sq. polyvinyl cushion with a breathable outer cover and a non-skid vinyl base. The interior of the cushion is made up of individual, interconnected air cells that allow air to slowly transfer from chamber to chamber and evenly distribute body weight. A hand pump is used to fill the cells with air. The amount of air pressure can be adjusted as needed.

"It's a lot more comfortable than conven-

tional foam seats," says Kevin Mulder, K & M Mfg., Renville, Minn. "The air-filled cells reduce pressure points, which are the main source of numbness and back pain. The technology has been used for years by the medical industry to treat wheelchair users and patients who are confined in bed for long periods.

"In the average driver's seat, pressure points build where you make contact with the seat, cutting off your blood supply to your buttocks and legs and increasing the risk of circulatory problems. No matter how soft the seat is, your weight will compress and stiffen the foam, which removes any shock absorbing benefit. Your spine ends up absorbing the shock. And because you're basically balancing on two pressure points - where your pos-

terior makes contact with the seat - your back becomes tired from trying to keep your body stable.

"If a leak develops in the cells, you can repair it by using a patch kit (provided)."

Sells for \$89 plus S&H. A "pro" model equipped with a neoprene cover is also available and sells for \$189 plus S&H.

Contact: FARM SHOW Followup, K & M



**New seat cushion's air-filled cells reduce numbness and fatigue.**

Mfg., Renville, Minn. 56284 (ph 800 328-1752; sales@tractorseats.com; www.tractorseats.com).



**Chinese-built mini trucks are easy to work on because the seats tilt up for easy access to the engine.**

## New Off-Road Imported Mini Trucks

In the last issue of FARM SHOW, we told you about a guy who sells off-road used mini trucks from Japan.

Since then we found another company that imports new ones from China.

They're used in parks, on farms and ranches, in nurseries, on airport grounds and as on-site utility vehicles. Hunters and campers also like them. "You can throw tools or parts or even a couple bales in back," says Richard Lewis, president of Co-Pilot Motors.

The mini trucks have an electronic fuel injected 4-cyl. engine and 4-speed transmission with the 3<sup>rd</sup> and 4<sup>th</sup> gears locked out. In addition, they have a heater, wipers, cassette stereo, locking cab, and seat belts. Other options include air conditioning, mounted amber security light, steel bumper with receiver and hitch, dump bed, winch and tow-bar.

The truck beds are 4 ft. 7 in. wide and 7 ft. long. The sides fold down, transforming them into mini flatbeds. The standard wheels can be replaced with 4-wheeler tires. They travel at speeds up to 25 mph and get 39 mpg.

Because the mini trucks come over as farm equipment and don't pass EPA standards, they

can't be licensed for over-the-road use.

Lewis says they come with a 6-month factory warranty. His dealership carries a large supply of replacement parts.

He says the trucks are easy to work on because the seats tilt up for easy access to the engine. "It's like working on a 4-wheeler."

GM owns 34 percent of SAIC-Wuling Automotive Co. LTD which makes the mini trucks in China.

They come with 2 or 4 seats. The mini trucks come in red, white, blue and champagne. The company also sells trucks with dump beds.

Prices start at \$7,500.

Lewis says Co-Pilot Motors will also sell new 4-WD units as soon as they become available. Until then, the company sells used 4-WD units starting at \$4,500.

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**Cab is equipped with a heater, wipers, cassette stereo, and seat belts. Prices for the mini trucks start at \$7,500. Used 4-WD units start at \$4,500.**

**Cement mixer mounts in loader bucket and is powered by tractor's hydraulic system. "It lets me load the mixer from wherever my supply of ingredients is. I don't have to carry sand, gravel or water to the work site," says inventor Gene Witter.**



## Tractor Bucket Used To Mix Cement

A Wausau, Wis. man combined a front-end loader and a cement mixer to make the job of mixing and pouring cement quick and easy.

Gene Witter devised a system to mount a cement mixer in the bucket on a tractor or skid steer loader. It's powered by the tractor's hydraulic system. It's a temporary mount and can easily be installed or removed. Only two pins and the hydraulic hoses are used for hooking up.

The small cement mixing drum (it holds one bag of cement, plus the necessary sand and gravel) was originally a stationary unit. Witter took off the electric motor and belt and converted it by putting a bracket on each side of the drum, and added a hydraulic motor to turn the drum. The motor is powered by the tractor's hydraulic system.

"You need a properly sized sprocket attached to the hydraulic motor to turn the drum," he explains. "We also made a framework that goes around the drum with wheels that it turns on."

According to Witter, one advantage of his system is that "you just load the mixer from where your supply of ingredients is. You don't have to carry your sand, gravel, or water to the work site."

"You can drive anywhere that you need the cement, such as in the barn or wherever — places that you would have otherwise needed a wheelbarrow to get to."

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## "Theft-Proof" Steel Plate Door

After thieves broke open his shop door and made off with some tools, Gale Courson, Farina, Ill., decided to make things a bit more difficult for the next thief who might get the same idea.

He made a steel plate outer door equipped with a deadbolt and a hooded padlock shield. The door is hinged to a steel frame that he mounted around the original door jamb. Both the door and the padlock shield are made from 1/4-in. thick steel plate.

The padlock shield is a 2 by 5-in. box that's open on the bottom. To lock the door, Courson has to reach up into the opening and insert a key in the padlock. The opening is too small for thieves to use a saw or bolt cutters on the lock.

"It isn't a 100 percent answer, but it adds a measure of protection. I installed the add-on door on two different buildings about a year ago and haven't had any problems since then," says Courson.

To make the door frame, he had a local fabrication shop bend two pieces of steel into an L-shape to fit both sides of the door opening. After they were bolted in place, he welded the bolts to the frame so they couldn't be unscrewed. He then welded a pair of heavy



**To keep thieves away, Gale Courson made this steel plate outer door equipped with a deadbolt and hooded padlock shield.**

duty barn door hinges onto both the door and frame.

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