

## Bale Unroller Wheels

Howard Shipley, Steele, N. Dak., used old planter packer wheels, and scrap steel, to make round bale unroller wheels for the front of his tractor.

Shipley says he carries the bale to the field on the front-end loader, cuts the twine and then drops it to the ground in front of the tractor. "Then you just drive against the

bale with the unroller wheels to spread it evenly for feeding. Works real good," says Shipley, noting that the wheels don't interfere with normal operation of the tractor or loader.

Contact: FARM SHOW Followup, Howard Shipley, Steele, N. Dak. 58482.

## Home-Built Hydraulic Drill

Robert C. Beecher, Livonia, N.Y., made his own hydraulic drill using an old hydraulic motor and miscellaneous parts.

"Works great to crank silo unloaders up to the top of the silo in place of slow-moving electric drills that often burn out. You can also use it in place of a pto shaft to unload a forage box. It's got plenty of power and is safer than a pto," says Beecher.

The first step is to buy a small hydraulic motor at a salvage yard. Then in some fashion attach a metal pipe across two of the mounting bolt holes on the motor so the pipe extends several inches out from both sides. To accomplish this, Beecher first made a bracket to fit in the holes and then welded a pipe to the bracket. Once attached, the pipe serves as a carrying handle for the drill.

The second step is to attach a coupler to



the motor's output shaft. Put a short stub shaft into the other end of the coupler and fasten a drill chuck to it. Then run lightweight hydraulic hoses - Beecher suggests 25 ft. in length - from the drill to the tractor.

"We use it for drilling chores in the field. You can reverse direction either by moving the hydraulic lever on the tractor or by switching hoses," says Beecher.

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## Stray Voltage Alarm

"Having one of these in your barn is like having a smoke alarm in your home. It won't solve a problem but lets you know right away when you have one," says Peter Pitts, Spring Green, Wis., inventor of a new stray voltage alarm.

Slightly bigger than a pack of cigarettes and powered by a 6-volt or larger battery, it has one wire that you connect to a ground rod and a second wire which you attach to a pipeline, stanchion, etc. If any voltage goes through this second wire, a beeper sounds and a light goes off. The alarm can be set so it's triggered by stray voltages ranging from 1/4 to 2 1/2 volts.

Pitts notes that the light stays on until you reset the unit. For example, if the light's on in the morning when you come into the barn, you know that the power surge occurred sometime during the night. The beeper sounds as long as the power surge is going on.

Pitts hopes to have the new alarm on the



market this summer at a retail cost of right at \$89.

Contact: FARM SHOW Followup, Peter Pitts, Rt. 3, Box 360, Spring Green, Wis. 53588 (ph 608 583-2104).

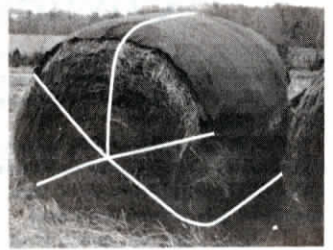


## Low-Cost Air Conditioner

Here's an inexpensive way to cool down your house on hot summer days without running an expensive air conditioner.

Roger Digney, Raymore, Sask., simply removed the radiator from an old car and mounted it on a wood frame. He adapted garden hose to both the inlet and outlet hoses and runs cold water into the radiator from his well. The water runs into the bottom of the radiator at a trickle and out the top to a drain. A floor fan positioned behind the radiator blows cool air out into the house.

"It costs almost nothing to run and cools down the whole house," Digney told FARM SHOW.



## Tie-Down Bale Cover

"My method of covering bales requires no special hold-down pins. All you need is twine," says Eugene Menke, Berger, Mo.

"I place a grommet on each corner of a 60 by 96-in. piece of treated military canvas. Then I tie it down with plastic twine - I use plastic because it lasts longer - in such a way that the cover will never come off (see photo) and won't flap in the wind. Tie twine to one corner grommet and then go around the bale close to the ground and back to the grommet on the opposite side of the same end of the cover. Repeat on the other end of the cover. Then tie one twine string across the top of the bale as shown to keep wind from lifting cover."

## Dairyman Milks Cows Five Times Every Two Days

Washington dairyman Keith Boon, of Sumas, milks his 230-cow herd five times every two days.

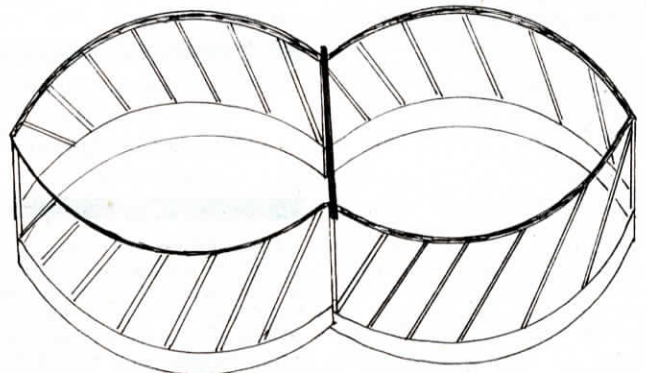
"The advantage is that we get about the same production increase as milking three times a day but with one less milking. Plus, the cows seem to like the schedule real well," says Boon, whose herd average is 20,000 lbs. of milk with 700 lbs. of fat.

On day one, cows are milked at 4:30

a.m., 2 p.m., and midnight. On the second day, they're milked at 9:30 a.m. and 7 p.m.

Boon started the herd on the new schedule on March 1st. Prior to then, he milked twice a day.

He reports that expenses increased 7%, due to higher electric, labor and feeding costs, but milk production increased about 14%.



## Square Bale Feeder

"We made a square bale feeder from four round bale feeder panels," says Charles C. King, Siler City, N.C..

"Yearling calves could not reach hay in the center of a conventional round bale feeder in the mud. Since most round bale feeders are comprised of three sections bolted together, I decided to use four of these sections to make an entirely new feeder. It's just the right size to feed two square bales.

"The four sections run parallel to each other, fastened at either end. Center spacing is maintained by fastening a metal bar across the top. Calves completely clean up hay and the panels can be dismantled later to reuse for round bales."

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