



The shed has 27 ft. of clearance in the 47-ft. wide "clear span" center section.

HOME-BUILT "SIDE SHIFT" LOADER REACHES UP 22 FT.

Phone Pole Bale Shed

Telephone poles make great round bale storage sheds, say Franklin, Laurence and Charles Pacey, of Miltonvale, Kan., who built their own shed to store 1,500 big round bales stacked 5-high.

The three Pacey brothers farm 1,000 acres and run a custom hay business. Last year alone they baled 6,300 round bales and 5,000 small square bales. They put up the bale storage building for their own hay. When stored inside, it sells at a premium.

"Most of the poles used on the building were 35 ft. long and about 8-in. dia. at the top. They were set in the ground 7 1/2 ft. deep with about 1,000 lbs. of sand packed into each hole. This gives us 27 ft. of clearance in the center 47-ft. clear span section of the 80 by 160-ft. building," says Franklin.

The west side of the building was closed in to protect machinery stored there. The other three sides are open, and there's a 5-ft. overhang along one side in case they ever decide to feed cattle out of the building.

To stack bales 5-high, the Pacey brothers modified a Farmhand F25-B hay stacker, which is designed to lift 3,500 lbs. to a height of 22 ft. They strengthened the side arms and built a unique side-shift bale spear to replace the hay stacker's grapple forks. A hydraulic motor shifts the spear from side to side as needed when stacking bales. A sprocket on the hydraulic motor drives a roller chain that attaches to the base of the spear. It shifts bales out beyond the side of the loader, which makes it easier to stack around poles and along the sides of the



Modified Farmhand hay stacker, equipped with home-built "side shift" loader, stacks bales 5-high.

building. The stacker also tips bales up and down as needed. The stacker mounts on a 100-hp. Massey Ferguson 1105, one of 30 tractors the Paceys operate. The tractor is fitted with a roll guard and canopy.

To transport bales, the Paceys use a converted beer truck. They removed the van body from the 1976 diesel cab-over C8000 tandem axle Ford and made a flat bed with 2 1/2-in. by 10-in. planks laid crosswise over 7-in. channel iron stringers. The truck can carry up to 26 big bales.

Contact: FARM SHOW Followup, Pacey's Hay Baling Service, Rt. 2, Box 94A, Miltonvale, Kan. 67466 (ph 913 427-2406).



A hydraulic-driven chain shifts the bale spear back and forth to easily stack bales in corners and up against the side of the pole shed without moving the tractor.

FEATURES HEAT-SAVING HOVER FOR PIGS AND TOUGH CONCRETE FEEDER/WATERER

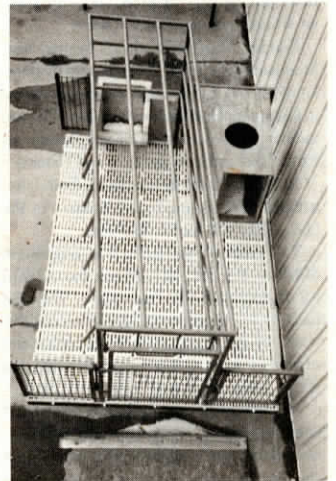
Energy Efficient "Angle Crate" Farrowing Stall

Heated hovers for piglets are the wave of the future, according to Iowa hog farmer Roger Lennox, but he couldn't find a good way to add them to conventional crates without adding room in front or back or squeezing them in on either side. Then he saw an article about a stall design that's been used in Europe for several years and decided to build his own.

"I've built 36 angle crates for my own use and they work great. By setting the sow at an angle, more room is created on one side of the stall at front. That's where I put the hover," says Lennox, who farms near Coggon.

The pig hover, made out of plywood, has a hinged lid that makes it easy to check pigs. A small slide-in gate lets you lock them in for vaccinating, tail docking, and other chores. But the best thing about the hover is that it lets you save on electricity. "I use a 60-watt bulb to warm each hover instead of the 250-watt bulb we need in an open stall. That saves me \$75 per stall per year," Lennox told FARM SHOW.

He also outfits his angle crate, which he has begun to manufacture for sale, with tough concrete feeder-waterers. "The most wear in any farrowing crate is always around the feeder-waterer because of corrosion and sow abuse. Steel doesn't last more than 3 to 5 years. I needed an inexpensive material that would last and settled on concrete. The feeder, which is virtually indestructible, has a V-shaped hopper that's deep enough so that the only way a sow can remove feed is by eating it. That cuts feed waste dramatically. A 1/2-in. fitting for a



Positioning sow at an angle makes room for up-front heated pig hover. Note heavy-duty concrete feeder at front of crate.

nipple waterer is cast into the concrete at a level that both sows and piglets can reach. The feeder attaches to the stall with bolts," says Lennox.

The angle crate and feeder sell for \$229. Piglet hovers sell for \$30 each or he includes do-it-yourself plans with each crate. Lennox also plans to offer the cement feeder as a replacement front for other stalls at about \$39 apiece, depending on stall type.

For more information, contact: FARM SHOW Followup, Roger Lennox, Rt. 2, Coggon, Iowa 52218 (ph 319 435-2586).

RODENT GETS CAUGHT PLUGGING "HOLE" IN TUNNEL

"Black Hole" Gopher Trap

"It makes gophers think there's a hole in their tunnel. When they go to plug it, they get caught," say manufacturers of the new Black Hole gopher trap.

The body of the trap is a piece of round PVC pipe. There's a small hole in one end and a big opening in the other that leads to a piece of small dia. steel cable. When the gopher trips the trap, the cable catches him around the neck or middle.

To set, find a fresh gopher mound. Dig it up to expose the open tunnel and install the trap in the opening, sealing all cracks around the outside. Make certain the small hole in the end of the trap remains open.

"Because it's round, they think the trap is part of their tunnel. Conventional wire claw and box traps can't come close to the performance of this new trap," a company representative told FARM SHOW.

Black Hole traps sell for \$10.95 apiece. For more information, contact: FARM SHOW Followup, F.B.N. Plastics, 1522 So. "J" Street, Tulare, Calif. 93274 (ph 209 688-7269).

