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HE PUT SADDLE TANKS ON AN OLD WC ALLIS CHALMERS

Stripped-Down Tractor Makes Great Caddy

"I only have one main tractor and I got tired of having saddle tanks on all spring, so I built this sprayer using my saddle tanks and an old WC Allis Chalmers," says Richard Reynolds, Redfield, Iowa.

He stripped the WC down to the frame and rear end, reversed the wheels, and then mounted the saddle tanks endways on the frame. "I mounted a fifth wheel hitch on the front of the old tractor frame to carry the weight of the sprayer on the 3-pt. hitch of the pulling tractor. A 6-in. I-beam runs underneath the sprayer frame from the tractor drawbar back to the disk that I pull behind the sprayer. The rear of the I-beam is carried in a sling that slides back and forth. I had to extend my tractor hitch to

reach the I-beam."

The spray boom installs right on the sprayer so that when he unhooks, all Reynolds has to do is unhook the pump and controls and hook up to another implement.

"It seems to work real well with little side draft. I ran my hydraulic lines through tubes made out of 1/2-in. pipe. A big advantage is that the weight of the spray tanks is on the back of the tractor instead of on the front end. I ended up with about \$400 invested in this rig. The biggest expense was the ball hitch," Reynolds told FARM SHOW.

For more information, contact: FARM SHOW Followup, Richard Reynolds, P.O. Box 149, Rt. 2, Redfield, Iowa 50233 (ph 515 833-2229).

Self-Feeding Gate For Round Bales

New from SLS Mfg. is a round bale self-feeding gate on wheels that lets cattle feed themselves without wasting hay.

Seventeen openings across the face of the 24 ft. gate allow about 12 mature animals to eat at one time. They eat their way into hay stacked 4 bales wide, and in as long a stack as you want to make. "We recommend that straw bales be placed along both sides of the stack to help guide the feeding gate as cattle move it along," says Steve Lashta, inventor-manufacturer. He notes that you can self feed stacks two bales high but you have to watch so partially eaten top bales don't come crashing down to possibly injure smaller animals.

The "in" side of the gate is equipped with a steel arm or stop at each end which adjusts for length—18 to 30 in. These stops prevent cattle from pushing the gate tight up against the bales.

"Because of the stops, cattle always have to reach about 2 ft. to bite into the bales, forcing them to eat on the inside with very little waste. Without the stops, they'd pull hay through the openings and eat it on the outside where much of it would be tramped on and wasted," notes Lashta. "If there's

better quality hay on the right side of the feeder than on the left, the right end stop can be fully extended and the left stop shortened, forcing cattle to eat the poorer hay before they can move the feeder forward enough to reach the good hay."

As the feeder is moved along, 12 in. long curved teeth welded to the bottom rake and salvage loose hay. The entire feeder is adjustable for height from about 1 to 6 in.

All four wheels on the feeder (two on each end) castor. For endwise down-the-road travel, the two wheels on one end are removed and a tow hitch installed. The two wheels on the opposite end are then moved manually into the transport position and the "wheeled" end of the rake raised about 3 ft. off the ground.

"The gate will tow down the highway behind a car or pickup at regular road speed," says Lashta.

Made primarily of 2 in. dia pipe, the feeding gate sells for \$1,800 (Canadian).

For more information, contact: FARM SHOW Followup; SLS Mfg.; Box 262; Yorkton, Sask. S3N 2V7 (ph 306 783-5604, or 8952).



Big Bale Wheelbarrow

"I use it to move half a round bale from the storage barn to the feed alley so I can unroll the half bale right in front of the cows," says Ben Urech, Bonshaw, Prince Edward Island, about his big round bale wheelbarrow.

Urech first cuts the bales in half with a "foot-operated" knife he made out of an old couler blade. The blade is welded to the end of a T-handled shaft fitted with a side foot peg. A "V" was cut out of the center of the blade and all edges sharpened.

"Standing on top of the bale, I'm able to work my way down through the bale in about 10 min. I cut the V in the end of the blade so I can cut with just half the blade if I hit a tough spot," Urech told FARM SHOW, noting that he's used the bale blade to cut through more than 250 hay bales and 80 straw bales with no problems. He recently bought an electric-powered, hand-held bale knife that does the job quicker - in about 7 min. - and with less effort. (Urech's big bale knife sells for \$800. Information available from: FARM SHOW Followup, Butterwick Ag Supply, Rt. 1, Box 102, Whiting, Vt. 05778 ph 802 462-2252)

Urech simply runs the two wheel cart up against a half bale, tips the cart up on end, and then wraps a chain - which attaches to the handles - around the bale. Then he just tips the cart back to load the bale. (Since the accompanying photos were taken, Urech has substituted a 20-in. long metal hook for the chain. The hook swings freely from the crossbar on the handles. He simply tips the cart up



"Foot-powered" bale knife made from cut-down couler

and sinks the hook into the top of the bale, and pulls the cart back. "It's much more convenient and, unlike the chain, it's out of the way once the bale's been unloaded," says Urech.)

The bale wheelbarrow was fashioned out of 1 1/4-in. dia. waterpipe and two wheelbarrow wheels. He made an axle out of a heavy-duty jackstand shaft from an automobile tire jack. The wheelbarrow easily handles the half-bales made out of Urech's 900 lb., 4 1/2-ft. dia. bales. With a slightly different configuration, he says it would work for larger 5 or 6-ft. dia. bales, too. "It's balanced just right so the weight is centered over the axle with a little weight on the handles. It works well even pulling through snow and mud. If the ground is dry, you can easily push it," he notes.

Contact: FARM SHOW Followup, Ben Urech, Rt. 3, Bonshaw, P.E.I. C0A 1C0 Canada (ph 902 675-4356).



Photo shows prototype which was just under 24 ft. wide. Production units are 4 bales wide.