

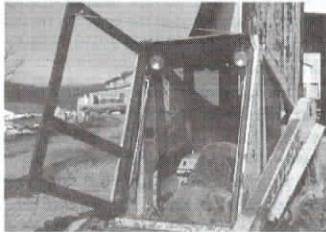


## He Put A "Cab" On His Skid Steer Loader

Vernon Leininger, Reinholds, Penn., winterized his New Holland 712 skid steer loader by putting a "cab" on it made of wood frame plexiglass windows that mount on the front and sides of the machine. He also covered the loader's wire floor with plywood.

"The windows keep me cozy and warm all winter and are easy to remove in summer," says Leininger. "I use the loader to move snow, load manure, and clean driveways for neighbors. In the past I often froze when doing those jobs."

The window on front mounts on three hinges. He bolted the side window frames inside the original steel mesh windows. Leininger covered the back opening with plywood and put a 4 by 6-in. sliding door



in it, which allows him to reach back and inject ether into the air cleaner to start the engine on cold mornings without having to get out of the cab.

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## Tow-Behind "Saddle Tanks" Sprayer

Charles Sorensen decided that the 250-gal. saddle tanks on his tractor were too much of a nuisance so he mounted them on a home-built, 4-wheeled tow-behind sprayer.

"Now there's nothing on the tractor to obstruct my view," says Sorensen, of Corwith, Iowa.

He used 4-in. sq. steel tubing to build a frame for the tanks and mounted it on the wheels and spindles off an old trailer. There's a pair of wheels spaced 30 in. apart under each tank, with the spindles welded to steel legs that clamp onto the frame. The tanks mount in a cradle made from pipe and are held in place with the original tank

mounting brackets. A steel catwalk taken from an old Winnebago mounts behind the tanks for easy access.

"I built it entirely out of scrap material," says Sorensen. "I use the saddle tanks' original pto-driven pump with the sprayer. The four wheels keep the 12-row boom stable so it doesn't sway from side to side as much. The boom is built in three sections, with a 4-row hinged wing on each side. I mounted a boat winch and 1/8-in. steel cable on each side of the sprayer so that I can raise or lower the wings independently."

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## 1/4-Turn Bale Chute Mounts Behind Automatic Bale Throwing

Tom Burlingham added a 1/4-turn bale chute to his New Holland 570 small square baler equipped with an automatic thrower so it can be used to either throw bales into a wagon or turn them on their edges and lay them on the ground. He uses an automatic stacker to pick up bales on the ground.

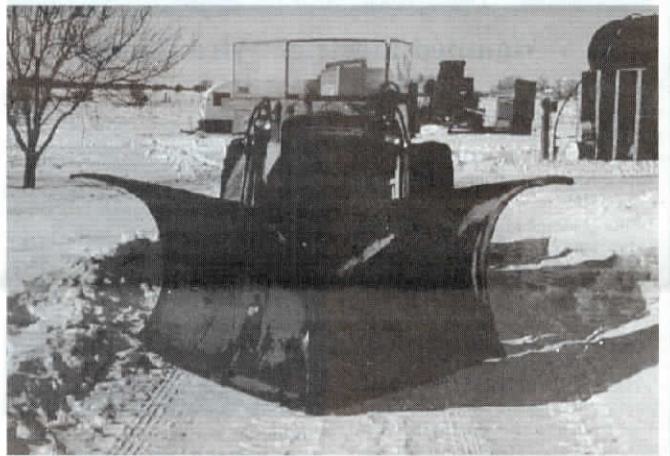
Burlingham, who does custom baling, bought the chute from another farmer who had built it. Burlingham welded a steel plate onto the bracket that supports the thrower's bottom belt so he can divert bales away from the thrower and onto the bale chute. To switch from throwing bales to dropping them on the ground, he removes the thrower's drive belt as well as the baler's wagon hitch. Then he unbolts the thrower bracket, raises it about 1 ft., and rebolts it using holes already in the baler frame.

"I built it because some of my customers want unstacked hay delivered right off the bale thrower wagon while others want stacked hay," says Burlingham. "It takes only about 10 minutes to switch from one



system to the other."

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## Loader-Mounted "V-Type" Snowplow

"I operate an orchard business 12 months of the year so I have to keep our roads open all the time. I used an old 500-gal. steel water tank to make a loader-mounted, 'V-type' snowplow. It didn't cost much to build and does a great job," says Thomas Roney, Greenfield, Ind.

He cut the 4-ft. dia., 6-ft. long tank in half to make the two blades, then welded them to a 1/2-in. thick steel plate at the point. He welded two lengths of 6-in. channel iron across the back of the blades and welded the loader mounting brackets to them. He also welded steel skid shoes under both blades as well as the point to save wear.

"It works much better than a bucket for opening roads because I never have to stop and push snow off to the side of the road. I've used it for about 15 years on three different tractors with no problems," says Roney. "It cuts about 8 ft. wide and can go through 2-ft. deep snow as long as the snow isn't frozen too hard. I've even used it to open roads in a housing subdivision when the county snowplows couldn't get through. I can raise the snowplow up and turn around right in the middle of the road. I use the bucket tilt cylinders to adjust the angle of cut. If I ever get stuck I can use the tilt cylinders to push myself back out the same way you would with a bucket. I cut a hole in the steel plate between blades so I can mount a



clevis and let another tractor pull me.

"The steel plate allowed me to weld both blades together without having to align them perfectly. It also strengthens the plow. The most difficult part was cutting the tank. Before I started, I practiced cutting off the parts from a 4-in. dia. mail tube until I got the design I wanted. Then I transferred the dimensions onto the tank and cut it out.

"Whenever the skid shoes wear out I just weld new ones on. I've worn them off several times. I left about 1 in. of the ends of the tank on the outside edges of the blades for strength. It adds some drag, but I needed the reinforcement. I planned to have some 2-in. angle iron rolled so that I could cut the edges off and weld on the angle iron, but I never did."

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