



The bottom of the bin rests directly on the ground when stationary, supporting the major part of the weight. It rides on two wheels for transport.

HOLDS 900 BU.

Portable Bin Prevents Grain-Hauling Delays

Harvest-time "logjams" caused by grain-hauling delays can be eliminated with a new portable bin built by a Canadian farmer who now manufactures the unit.

Stan Wiskel, who farms near Boyle, Alberta, designed his bin from the bottom up. The 900 bu. hopper-bottom bin rides on two wheels. The wheels are removed in the field and the bin lowered to the ground on skids. The bottom of the hopper rests on the ground, supporting the major part of the weight of the 10-ft. tall bin, which measures 12 by 12 ft. at the top of the hopper.

Most farmer position the bin at the edge of a field to receive all the grain, or just an

occasional load to keep the combine moving. If grain is being hauled directly to an elevator, it can be used to store grain after hours.

Wiskel builds the bin with wood panels and an angle iron frame. It weighs 2,500 lbs. empty and pulls easily behind a 1/2-ton pickup. He says he also uses it as a holding bin when drying or cleaning grain and to hold seed at planting time.

Sells for \$3,000 (Canadian).

For more information, contact: FARM SHOW Followup, Stan Wiskel, Rt. 1, Boyle, Alberta T0A 0M0 Canada (ph 403 675-2405).

"THERE'S NEVER BEEN ANOTHER ONE LIKE IT"

Home-Built Motorcycle Powered By V-8 Engine

"It's got tremendous acceleration and unbelievable passing power. There's never been another cycle like it especially for long highway trips," says John Strickland, Alachua, Fla., who built a "first of its kind" motorcycle powered by a V-8 car engine.

Strickland says he first got the idea when his father made a joke about putting a 400 cu. in. pickup engine on a motorcycle. "I said 'Why not?' and got out a ruler and started measuring. The engine measured 22 in. across and that wasn't too uncomfortable to straddle but a lot of other questions came to mind. For example, how could such a big motor be put on two wheels and still be maneuverable? How could we transmit power to the rear wheel? Where would the radiator, gas tank, and battery go? Would there be too much heat from the engine?"

Strickland says he spent two years working out the design of the bike on paper. "The first task was to decide what engine to use. I selected a 215 cu. in. Buick aluminum engine built in the early 1960's. It's lightweight and small. I found the engine in a junkyard and completely rebuilt it. Total assembled weight is 325 lbs."

The next major decision involved the transmission and driveline. "No existing

transmission had the gear ratios or shifting mechanism required for this cycle so I decided to build my own. I made over 160 drawings of the various parts which included special castings and splined shafts. The resulting transmission side-mounts next to the rear wheel."

The frame of the cycle was made from steel tubing while the cowling and sidepanels are hand-formed fiberglass. The radiator, which was also hand-made, mounts inside the roll bar for protection. An electric fan with automatic temperature control was installed but Strickland says it rarely comes on.

Once he had the bike on the road, Strickland spent nearly a year making final changes. "We now have over 11,000 miles on the cycle with no major problems. Its big size makes it very comfortable on long trips. It takes some getting used to due to the large size but once you're underway, it leans, corners and stops with ease," he says, adding that he's already building a second V-8 cycle.

Contact: FARM SHOW Followup, John Strickland, Rt. 3, Box 192, Alachua, Fla. 32615 (ph 904 462-4685).



Reversible 4-in. wide chisel boards bolt directly to moldboard plow shanks.

LETS YOU BUST UP HARDPAN WITHOUT BUYING NEW EQUIPMENT

"Chisel" Conversion Kit For Moldboard Plows

"It's been a lifesaver in heavy, compacted soils," says Ken Sire, Billings, Mont., about the "Chisel Board" conversion kit he installed on his moldboard plow two years ago. "This converted plow busts up soil hardpan much better than a subsoiler or conventional chisel plow."

The 4-in. wide, bolt-on chisel boards, made by Star Mfg., Freeport, Ill., were introduced several years ago as a low-cost alternative to chisel plowing. They extend 4 in. deeper than moldboards, allowing you to dig as deep as 15 in.

Sire installed the conversion kit on his 6-bottom Morris plow. He "plows" every four years in the fall, on summer fallow ground which he plants to barley the following spring. "I open the ground in the fall to catch snow. Because subsoilers and sweep plows can't penetrate the heaviest soils, a hardpan develops, blocking roots and water. I can break the hardpan with a moldboard plow, but it leaves the soil surface exposed. This modified plow does a gorgeous job of busting ground, yet leaves lots of residue on top to soak up snow melt. In the spring, the ground is mellow and easy to work."

Sire says he's seen proof that "chisel boards" hold soil moisture. A hard 3-in. rain last August left water standing in low spots in all his neighbors' fields. But Sire's ground held the water where it fell. And despite the hot, dry weather this summer, his barley

crop held up well. "I attribute that strictly to subsoil moisture," says Sire.

Sire sets "chisel board" depth at 9 to 10 in. "That's the depth of the topsoil. I don't want to bring up infertile subsoil. Thanks to the moldboard plow settings, I can control depth to the inch."

Sire bought the entire 6-bottom kit for \$600. He goes through one to two "chisel board" sets each year due to wear caused by his abrasive soils. Sire says that by reversing and hardfacing the points, he covers about 180 acres per set.

The benefits witnessed by Sire are nothing new to Star Mfg. "We introduced Chisel Boards as a low-cost alternative to a chisel plow," says Skip Lehnhard, sales/marketing manager. "However, most farmers have used them to deep rip, especially in minimum and no-till ground. A chisel plow often bounces right off the hardpan, but a moldboard plow's strong frame lets you rip down into it 15 in. deep or more, depending on the make and model of plow. Another benefit is that they leave about as much residue as a 'Glencoe' Soil Saver. Chisel Boards aren't a cure-all for all farmers, but they are an economical way to use one piece of equipment in several different ways."

Contact: FARM SHOW Followup, Star Mfg. Co., Freeport, Ill. 61032 (ph 815 235-7750).



Custom-built bike sports a Buick V-8 engine. Strickland built his own transmission and driveline from the ground up.