



Home-built wooden chute has a 1/2-in. screen that removes any foreign matter in corn.

## He Built His Own Corn Cleaner

Max Dunlap, Zearing, Iowa, heats his house and shop with shelled corn for less than half the cost of propane. To remove any foreign matter in corn that he buys from neighbors, he pours it down a home-built wooden chute equipped with a 1/2-in. screen. He says the 1/2-hr. a week job keeps his furnace running cleaner. He feeds the "fines" to birds.

Dunlap set up the wooden corn cleaner in his shop. It measures 8 ft. long and stands at a 45-degree angle on 2 by 4 wooden legs. It measures 5 ft. high at the top and 1 1/2 ft. at the bottom. Dunlap used 1 by 8's to make the sides and to enclose the bottom of the chute, extending the sides and screen about 1 ft. beyond the bottom board. There's an angled aluminum scoop at the end of the bottom board.

Clean corn falls off the screen and into a bucket placed on the floor. Any fines in the corn fall through onto the bottom board, and are diverted by the scoop into another bucket.

"It's so simple that it shouldn't work, but it works very well. It didn't cost much to build," says Dunlap. "I store the corn in a 120-bu. bin outside my shop. We burn about 2 buckets of corn per day in our house during the winter, so it takes about 120 bu. for one



Clean corn falls off screen and into bucket placed on floor.

heating season."

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## Harbor Freight Quick Hitch Adapted To Front-End Loader

Erik Hewitt, Hillsville, Va., has a long and steep driveway. After a heavy rain he often needs to smooth and redistribute the gravel.

He had been using a 3-pt. mounted, 8-ft. rock rake to do the job. However, every time he wanted to use the rake he had to detach the backhoe on his Deere 970 backhoe loader and then attach a 3-pt. hitch, which got old. So he bought a Harbor Freight 3-pt. quick hitch and adapted it to fit the quick-tach mounting brackets on front of the loader.

"It's a real time saver and works great," says Hewitt. "The rake's 3-pt. bracket hooks up to the loader just like it hooked up to the 3-pt. hitch back of the tractor. But the rake now faces backward, so I have to pull the rake backward down my driveway. However, pulling the rake backward isn't a difficult job because I always have a good view of what I'm doing. I leave the rake attached to the quick hitch permanently, which makes it easy to hook it up. I just pop 2 pins and am ready to go."

To modify the Harbor Freight quick hitch, he cut short lengths of pipe in half and welded them to both sides of the hitch. He also welded metal brackets with holes to the lower part of each loader arm, where the bottom part of the hitch pins on. The quick hitch came with a pair of handles on top that are used to open or close spring-loaded hooks.



Hewitt adapted a Harbor Freight 3-pt. quick hitch to fit the quick-tach mounting brackets on his loader. He attaches a 3-pt. rock rake to smooth out his driveway.



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## Husk Brushes Replace Fingers On New Idea Pickers

If you've ever replaced the rubber fingers on the husking bed of a New Idea corn picker, you'll like these new replacement husk brushes.

"Our brushes are easy to install and inexpensive to replace," says Jonas Stoltzfus, Houston Run Mfg., Kinzers, Penn.

The brushes mount in metal brackets that clamp onto the original square shafts on the picker. A hammer is used to insert each brush into the bracket, and a punch is used to remove them.

According to Stoltzfus, the brushes work much better than the factory one-piece rubber finger wheels found on New Idea corn pickers. "The fingers tend to break easily, and when that happens you have to remove the shaft and replace the entire wheel. We also make a husk brush holder for the Deere 300 corn picker, which comes with a hex shaft."

The brushes are available in 2 models: A single holder for 6 and 8-roll husking beds, and a double holder for a 12-roll husking bed.

A set of 6 double holder husk brushes



Husk brushes mount in metal brackets that clamp onto the original square shafts on a New Idea corn picker.

designed for a 2-row picker sells for \$421.80 plus S&H. Replacement brushes sell for \$2.85 apiece. Dealer inquiries are welcome.

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Wire unroller clips onto 3-pt.'s lower lift arms and is fitted with a "safety rod", which keeps the wire from snapping back at the operator.

## 3-Pt. Mounted Wire Unroller

Unwinding rolls of barbed wire fencing is an easy job for Tony Smallwood of New London, Mo., since he made a 3-pt. mounted wire unroller.

The unroller clips onto the 3-pt.'s lower lift arms and is fitted with a clip-on "safety rod" that keeps the wire from snapping back and injuring the operator. It also doubles as a wire stretcher.

The unroller is made from 1-in. steel tubing and comes with a 12-in. long metal arm, which is threaded at both ends and screws onto 2 side pieces. A big washer is welded on near one end of the arm.

To install the wire roll, the operator unscrews one of the side pieces from the arm and slides the roll over the arm. Then he slips on a 6-in. long pipe - which also has a washer welded to it - and screws the side piece back onto the arm.

The safety rod goes through both of the roll's handles and is inserted through a series of pre-drilled holes in both side pieces. The holes allow Smallwood to adjust the rod's height, depending on the size of the roll. "The design works great on hilly land because I can pull the wire tight and fasten it to the post before I move up or down the hill, so the wire always stays in place."

He carries various fencing tools with him in a 3-gal. bucket, which attaches to a big



"The design works great on hilly land," says Smallwood.

"dog hook" that he clips onto one of the side pieces. "I always keep with me such tools as hammers, bars, a fence stretcher, pliers, staples, and so forth," says Smallwood.

He says the wire unroller's universal design allows it to be made bigger or smaller for other tractors.

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