



Dave Dam used the ring gear off an old IH cream separator to make a “farm clock” (left) and the separator’s gearbox cover to make a Case IH clock (right).



Other clocks were made out of planter box lids off old Case and Deere 2-row planters.

## “Farm Clocks” Made Out Of Old Parts

Dave Dam, Eau Claire, Wis., makes battery-operated clocks from old farm parts.

“My clocks don’t all have numbers on them but they’re unique and look nice,” says Dam.

Two large clocks were made from the ring gears off an old International Harvester cream separator. One is 10-in. in dia. and made of cast iron, and the other 6-in. dia., made of brass. Both clocks have 6 large holes at the perimeter, but no numbers. “I install an aftermarket clock kit that includes a motor and hour, minute, and second hands,” says Dam.

He removed the shafts from both gears to expose 7/8-in. dia. holes in the cast iron gear and 3/4-in. in the brass gear, along with a hole at the center of each gear. He then machined a flanged brass bushing, and ran it through the center hole and attached it to the motor.

The cream separator’s gearbox cover

was used to make another clock, with Dam painting the cover red and adding large white and black Case IH letters in the middle.

Another pair of clocks was made out of round planter box lids off old Deere and Case 2-row planters. “The Deere clock is 8-in. dia. and the Case 9-in. Both show the company’s logos,” says Dam. “To make these clocks I drilled a hole in the center of each lid and then inserted a clock kit. A threaded bolt attaches the hour, minute, and second hands to the motor.”

He also converted a Case toolbox lid to a clock that’s complete with the original raised blue lettering found on older Case tractors.

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Yakutian horses have extremely dense, long hair that allows them to survive without shelter in the extreme cold of Siberia.

## Yakutian Horses “Just Fine” At 90° Below Zero

Here’s a rare horse breed that hasn’t yet made it to North America - at least as far as we can find. If you want to see a Yakutian horse, you need to plan a trip to spend time with Yakutian villagers in Siberia.

Averaging 13.3 hands, the horse shares characteristics of other northern breeds such as Shetlands, Fjords, and Icelandics. But their extremely dense long hair and metabolic and other adaptations over 800 years allow the horse breed to live in temperatures ranging down to 94 degrees below zero. They can survive without shelter and dig through deep snow to forage for vegetation.

Yakutian horses evolved from horses

owned by the Yakuts, who were forced in the 13<sup>th</sup> Century by Genghis Khan’s army to flee from Mongolia to Siberia. The horses were important for survival and used for many purposes. Besides riding them and herding with them, the Yakutian horse was milked, its hair was used to make rope, and at the end of their lives they were eaten and their coats used for clothing.

The Yakuts no longer rely on them for survival, but Yakutian horses are revered as spiritual creatures and are part of festivals and ceremonies. Scientifically, they are considered to be among the fastest examples of a mammal adapting to adverse conditions.

# FARM SHOW®



Luke Yoder repowered this WheelHorse gas garden tractor with a Yanmar 6 1/2 hp. diesel engine. “I like how it sounds and how it blows out the smoke,” he says.

## Teen Converts Garden Tractor To Diesel

“It has more torque than a gas engine and can really blow out the smoke,” says 15-year-old Luke Yoder, Middlebury Ind., about the 1972 WheelHorse Raider 14 hp. gas garden tractor he repowered with a Yanmar 6 1/2 hp., 1-cyl L70AE diesel.

Yoder uses the tractor around his parent’s farm, and with wheelie bars installed on back and a homemade sled he also can use it as a pulling tractor.

“Not only does a diesel engine have more torque, but by opening up the governor and turning up the fuel they really smoke, too. The smoke comes out of a big 2 1/2-in. dia. chrome pipe I installed. Also, I just like the way diesels sound,” says Yoder, who made the conversion a year ago.

“Our family likes to attend garden tractor plowing and pulling events. In some years we’ve entered up to 8 different tractors at a time. I started rebuilding used WheelHorse

garden tractors when I was just 12 years old, and like to fix them and then resell them. My dad didn’t help me at all with this project.”

He bought the tractor used about a year ago. He replaced the front turf tires with tri-ribbed tires for more traction when turning. He also replaced the original rear tires with Deestone 26-in. high by 12-in. wide lugged tires.

He had to modify the tractor’s frame some and drill new holes to make the engine fit. He also installed a bigger fuel pump and a turbo fan. He added beet juice in the rear tires and added weights for ballast, and also installed weights on front of the tractor along with an LED light bar. The wheelie bars were made by modifying a pair of old bicycle training wheels.

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Plans available on the Etsy website make it easy for do-it-yourself wood workers to build their own tractor beds.

## Kids Love These DIY Tractor Beds

Getting kids to go to bed might be easier if it looks like a tractor or loader. We found plans available on Etsy that make it easy for DIY woodworkers to build their own bed frames for \$250-\$400.

Some beds like the John Deere bed by Gary Vidlock, of ErtipiLLC, and the front end loader bed made by Glen Sherwin, of Plans4Wood, include side rails or walls to provide security for toddlers transitioning from cribs to “big kid” beds.

Dan Schmidt, of HammerTree, offers more open versions suitable for even older kids and include handy bookcases on the front and storage underneath.

Some plans include added lighting, detailed wheels and decals. But with the basic plans for a twin size bed, the builder can delete and add custom options. Plans (by PDF or print) range from \$26-\$30.

To see available options, go to [www.etsy.com](http://www.etsy.com) and search for tractor beds.