



Oil pan on rollers is used to catch oil from engines. It was made by cutting up a 55-gal. barrel. Oil drains out a valve, at right, and a handle makes it easy to pull around.

Rolling Oil Pan Made From Barrel

Mark Snider, Cle Elum, Wash., made an oil pan on rollers to catch drain oil from engines. It holds about 12 gal. After filling, it can be wheeled out of the way.

He started out by cutting the center out of the top of a 55-gal. barrel, leaving a 1 1/2-in. lip on which he screwed down a 1/4-in. crusher screen.

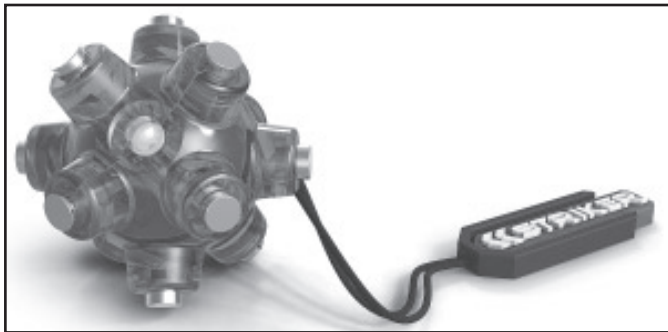
"I cut down 1 1/2 in. from the top of the barrel and removed it. Then I cut the barrel 8 in. up from the bottom lip," says Snider. "Next, I forced the top ring that I had re-



moved, over the bottom 8-in. barrel and welded it on. A valve on the side of the pan drains out the oil. To completely empty the barrel, I welded the bung from the top of the barrel to the bottom. Then I made plates and gussets to which I attached small wheels."

The lid came off a Stouddy welding wire tub. A fold-down handle makes it easy to tow around.

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Golf ball-size magnetic LED light has a dozen rare earth magnets, which allow the light to be positioned to light up in any direction.

Magnet Light Sticks Anywhere

Sometimes you're working in an area that's so tight it's difficult to use a flashlight.

That's why a North Carolina company came up with this golf ball-size magnetic LED light that mounts anywhere there is metal: on a breaker panel, near an engine or tire, under a sink, or on the back of an appliance that needs to be repaired. A dozen rare earth magnets allow the light to be positioned to light up in any direction. And as a bonus, the magnets can be used to pick up a metal screw or part that has fallen.

Striker says it's a perfect tool for automotive technicians, electricians, plumbers and

HVAC contractors, and, of course, do-it-yourself farmers.

"It will stick to the fridge, making it the go-to flashlight for the whole family, and it's great to have on camping trips," the Striker website says. "The options are endless."

The intensely bright, wide angle LED light is powered by three alkaline button cell batteries (included) and retails for right at \$8.

Contact: FARM SHOW Followup, Striker, 200 Overhill Drive, Suite C, Mooresville, N.C. 28117 (ph 704-658-9332, info@striker1.com; www.strikerhandtools.com).



This broken piece of wood trim was repaired with PolyAll, which can be sanded down after drying.

Epoxy Penetrates, Strengthens Wood

A fast-hardening epoxy product is catching on fast with wood workers, contractors, body repairmen and handymen.

PolyAll 2000 is a two-part polyurethane product that mixes and pours like water and has great penetration. It was developed several years ago by members of the Guild of



Automotive Restorers located in Bradford, Ontario.

"They do a lot of work on antique boats and cars with wood bodies," explains Henry Mengay, a distributor for PolyAll 2000.

"They tried different products and mixes and came up with something to stabilize and

Converting Generators From 6-Volt To 12

No need to switch to an alternator for better starting on an older tractor. G&R Rebuilding will convert your original generator from 6 to 12 volts so everything is original except the starting power.

"We gut the generator and replace the internal components," says Greg Snow. "You'll still have the original generator on your tractor so the appearance won't change like it would with an alternator."

The way an otherwise perfectly restored tractor looks with an alternator is one reason his business is booming. "We're constantly looking for old generator cores to rebuild," says Snow.

He usually charges \$150 to rebuild the generator and another \$50 for a regulator. Often that's all that's needed.

"Going from 6 to 12 volts is easy with most tractors other than the Ford N-Series," he says. "Most models can use the original 6-volt starter but the way the N-Series starter is built, the drive comes in backward, and with 12 volts it will turn so fast it can tear up the flywheel. With the N-Series, you need to rebuild the starter too."

While that rebuild can run another \$150 to \$175, it's a "clean" rebuild, Snow adds, as no solenoid is needed.

Most 6-volt starters are heavier duty with larger wires than on a 12-volt starter. Snow says the wire size has a lot to do with whether the starter needs to be rebuilt.

In addition to 6 to 12-volt conversions, G&R does general remanufacture of starters, generators and alternators. They also carry a full line of standard replacements for auto, truck, marine, ATV and industrial vehicles. They rebuild all types of DC motors as well.

Snow says the biggest challenge with rebuilding (outside of rust) is finding parts to work with. He says he spends a lot of time trying to track down good quality parts. If he doesn't have the parts for a rebuild available, he may make them. He makes many of his own bushings and starter posts as well as rebuilds drives.

If he can, he will repair damaged parts, such as nose housings for starters. If not, finding the parts can be difficult and expensive when they are found.

"I had a customer who needed a John Deere 70 starter," he relates. "I had to pay \$370 for an old core out of a scrap yard with no guarantee it would work. Guys who know what they have, know what they can charge."

Snow says he takes pride in doing the job that he is given and doing it right. He says he has only failed to find a part twice in 28 years.

"You can always send a part off to be made,



"Before" photo shows generator before it's converted from 6 to 12 volts.



The company guts the generator, replacing or rebuilding all internal components.



You still have the original generator on your tractor so the appearance won't change like it would with an alternator.

but it may cost more than it is worth," he says. "John Deere 70 nose cones break a lot. I checked with a foundry to see if they could get a housing recast, but tooling cost and startup required a minimum order of \$100,000."

Snow says he is constantly searching for cores and other replacement parts he can buy. He told FARM SHOW he would welcome calls from anyone with parts they were willing to sell. Often all he needs is a part number, such as is found on the tag on all Delco parts. He notes that prices even for cores can vary dramatically from \$5 to \$100.

Contact: FARM SHOW Followup, G&R Rebuilding, 460 N. Prior Ave., St. Paul, Minn. 55104 (ph 651 644-7743 or 888 210-7743; fax 651 644-2231).

strengthen old wood. It also works with rusted metal and fiberglass as it penetrates well and sets up much faster than fiberglass resins. It sets up so quickly that it can harden as it pours. It's good in the field as a quick, yet enduring fix for fiberglass snowmobile and ATV parts. It sets up more slowly when cooled to just above freezing - about 30 minutes - which allows a longer working time. At room temperature it hardens in three minutes."

Within 10 min. the epoxy is hard enough to saw, sand, drill, paint or do anything else you can do with wood, cement or metal.

Mengay says he uses PolyAll 2000 regularly at his farm - to fill and stabilize rotted windowsills, gate posts, stair railings, the wooden floor in his horse trailer, for fixing furniture and even body work on his Dodge 250.

On a deck you can fix any rotted or weak areas. Drill holes, pour PolyAll in and it will

stabilize it, Mengay explains. It penetrates and strengthens the wood and seals against water, contamination, insects, mold and fungal damage. It's also popular with contractors for restoring hard to replace insect damaged or rotted logs in log buildings. It can be colored with powdered, organic dyes and used with fillers like sawdust, sand and metal powders.

"We're also looking at trying to get involved with disaster work companies, where a lot of the problem is water damage," Mengay says.

PolyAll 2000 is sold in three sizes: \$20/8oz., \$40/32 oz., and \$60/64 oz. (plus S&H). PolyAll has a long shelf life even after the container is opened.

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