

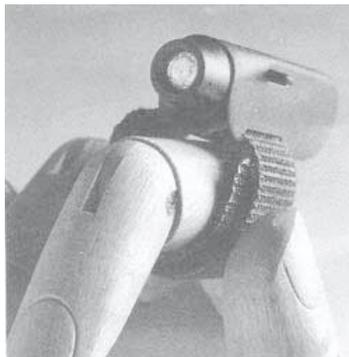
## Mini Flashlight Attaches To Your Finger

In our last issue, a reader suggested that someone should “invent” a finger flashlight. Soon after, Ed Gurran of Rosetown, Sask., e-mailed notice us that such a flashlight already exists and is listed in a catalog from Lee Valley Tools of Ogdensburg, N.Y.

The mini flashlight weighs less than 1/2 ounce and is only 1 5/8-in. long. It straps to your finger or can be attached to your eyeglasses, or even a button on your shirt. The high-intensity LED bulb is powered by two 1 1/2-volt alkaline mini batteries that provide 14 hours of continuous use. “It’s remarkably bright for such a tiny light,” says a company spokesman.

The light comes with batteries. Sells for \$19.95 (U.S.) plus S&H.

For a copy of the Lee Valley Tools catalog, contact: FARM SHOW Followup, Lee Valley Tools Ltd., 12 East River St., Ogdensburg,



**Mini flashlight is only 1 5/8-in. long. It straps to your finger or can be attached to your eyeglasses, or even a shirt button.**

N.Y. 13669 (ph 800 871-8158; fax 800 513-7885).

## “Seal Tight” Lid For 5-Gal. Pails

If you’ve got a lot of empty 5-gal. pails sitting around that aren’t good for much, you’ll like this idea from Modern Farm.

It’s an air-tight, leak-proof resealable lid that fits any 12-in. dia., 5-gal. plastic pail.

You first snap a new outer rim to the rim of the bucket to accommodate the screw-down lid, which has a rubber gasket for air-tight production of food, detergent, health supplies, chemicals, and whatever else you can think of.

The lid kits sell for \$6.95 apiece. The company also sells new 5-gal. buckets for \$8.50 apiece.

For a free copy of Modern Farm’s current catalog, contact: FARM SHOW Followup, Modern Farm, 1825 Big Horn Ave., Cody, Wyoming 82414 (ph 800 443-4934).



**Leak-proof, sealable lid screws onto any 12-in. dia., 5-gal. plastic pail.**



**Pivoting metal ramp lays down onto pickup tailgate for loading ATV. To make double use of ramp, Meffert built a dog house underneath.**

## Loading Ramp Doubles As A Dog House

Anyone who frequently loads riding mowers or ATV’s onto the back of pickups will like this loading ramp built by Lloyd Meffert, Hettick, Ill. It also doubles as a dog house.

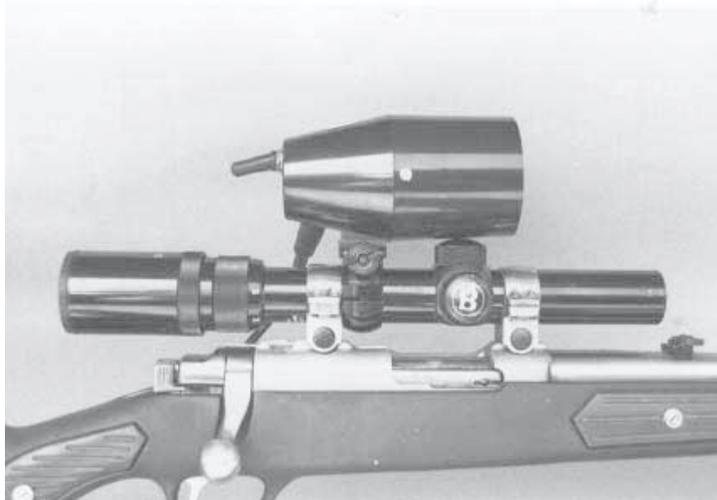
Meffert runs a lawn and garden tractor repair service but notes that many farmers often have to haul mowers to distant farms, or take ATV’s to far-off fields.

The ramp is built heavy, standing on six 4 by 4 posts. The ramp itself consists of 2 by 4’s attached to 2 by 10’s. A pivoting metal

ramp made from heavy metal mesh lays down onto the pickup tailgate for loading. It also helps reach truck beds at a higher – or lower – level.

To make double use of the ramp, Meffert built a dog house underneath it. The ramp provides extra protection and it’s one less thing cluttering up the yard.

Contact: FARM SHOW Followup, Lloyd & Deanna Meffert, RR2, Box 73, Hettick, Ill. 62649.



**Light fits on rifle scope so when you move the scope, the light goes with it.**

## Rifle-Mounted Spotlight Helps Hunt Down Nighttime Pests

When raccoons and other nighttime predators started going after his turkeys, James Watson decided to hunt them down in the dark. The problem was finding a high power, compact spotlight that would help him do the job. He couldn’t find what he wanted on the market so he decided to design and build one himself. “I wanted a light that would fit on the rifle scope so when you moved the scope, the light went with it.” says Watson.

He came up with a compact, 20,000 candle-power halogen lamp with a 100-yard range. It’s housed in black ABS plastic and powered by a six-volt battery. The entire 4-in. by 2.5-in. unit weighs only 5 oz.. The scope ring mounting allows the Scope Light to be removed quickly by loosening a thumbscrew.

Watson has been selling the units in the U.S., Canada and Mexico. Inquiries have come in from as far away as Libya and Israel. He emphasizes their use for predator hunting only and cautions customers to check with local fish and game officials for rules and regulations in their state.

“These are to be used for predator only hunting,” says Watson. However, Watson and others have found a number of non-hunting uses for the scope light. He reports that one customer uses his for attic work, mounting



**Wilson also makes this hand-held Hunting Light.**

the light on his hardhat, while Watson himself, uses it for mechanical work in small spaces. The unit has even been mounted on the bill of a cap, he reports.

In recent years, Watson has added a second light to his product line. The Hunting Light is a hand held unit with five times the power of the Scope Light.

Watson sells the Scope Light for \$34.95 plus postage and Texas sales tax. The Hunting Light sells for \$75 plus postage and tax.

Contact: FARM SHOW Followup: James Porter Watson, Quality Products Co., Box 234, Hye, Tex 78635 (ph 830-868-7431)

## They’re Making Oil From Manure

When most people look at those giant slurry tanks popping up all over the country on giant hog and dairy farms, they see a big problem. But researchers at the University of Illinois say the slurry in the big tanks could be turned into oil to power cars, trucks, tractors and any other internal combustion engine.

A group of engineers at the University’s ag engineering laboratory have successfully used a “thermochemical” process to convert liquid hog manure to oil. Their goal was to reduce slurry waste and to produce fuel for the farm.

So far the experiment is confined to a bench-top unit but they say there’s no reason the small-scale results should not carry over into full-size production.

The liquid manure is heated to 250 to 300 degrees for about two hours. Then carbon monoxide was added and the “product” put under a moderate amount of pressure.

The result was amazing. Oil yield was as high as 63% of the initial volatile solids in the manure, and the quality of the oil was relatively high. Less than a third of the original waste material was left to dispose of after the oil conversion process.

Although it has long been known that oil can be made from any source of carbon by putting it under pressure and heat, it appears liquid manure is particularly well-suited to the process. And although the oil produced might cost more per gallon than petroleum fuels, the added benefit of reducing waste material might offset the cost.

The researchers reported their results to the American Society of Agricultural Engineers in paper 994062. A copy is available through ASAE.

Contact: FARM SHOW Followup, ASAE, 2950 Niles Rd., St. Joseph, Mich. 49085 (ph 616 429-0300; E-mail: [hq@asae.org](mailto:hq@asae.org)).