

## Gasification Stove “Bakes” Fuel Before Burning

The two biggest concerns with outdoor wood burning stoves and boilers are too much smoke out the stack, and too much wood burned. This new “gasification stove” was designed to solve those problems.

The patent pending “Blue Forge” gasification stove burns wood, corn, pellets, or hay.

It got its name from the forge-type fire it creates, caused by an “upside down” burn. The unit smokes less because it burns the emissions coming down from the primary firebox in a secondary burn chamber, where air is injected.

The furnace was designed by Les Graham, who has worked in the wood boiler industry for 18 years. “This is a gasification unit that produces very little smoke, which is important because the EPA recently came out with a new set of standards to regulate the emissions coming out of outdoor wood boilers.”

In the primary firebox, wood goes through an intense baking process that pulls out the gases and burns them as they’re forced down through a coal bed.

“Any smoke that does remain after going through the coal bed is reignited by the sec-

ondary air that’s injected in a secondary burn chamber. The chamber is accessible from the front of the stove and doubles as the ash removal area,” says Graham.

“After filling the stove with wood, you can place cardboard, paper or pine needles on top of the wood at the top of the firebox. If you come back anywhere from 12 to 24 hours later, you’ll see that the materials still haven’t burned. And they won’t, until they work their way to the bottom of the stove.”

He says you can burn wood or corn without changing anything. “Most wood burning boilers offer bolt-on kits to convert to corn, but the kit alone can sell for \$2,000 or more,” says Graham.

The unit has a modular design, and each component is replaceable. “If you have problems with the stove, you can tear it apart and replace only the parts instead of the entire unit.”

Two models are available. Model 1300 with a 13 cu. ft. firebox sells for \$8,200; model 1900 with a 19 cu. ft. firebox sells for \$9,200.

The unit comes with a pump, pump flanges, aquastats, draft fan, expansion tank, scoop, vent, insulation wrap, and a forced air coil that can be installed in the plenum of a forced air furnace. For floor heating, Graham imports tubing from Belgium that’s unique to the industry.

Contact: FARM SHOW Followup, Ka-Les Distributing, Inc., 616 270<sup>th</sup> Ave. N.W., New London, Minn. 56273 (ph 877 855-2537; fax 320 254-8545; ka-les@meeckercoop.net or info@ka-lesdistributing.com; www.ka-lesdistributing.com).



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### Vol. 31, No. 2, 2007

Harold M. Johnson  
Founder

#### Editor/Publisher

Mark Newhall (mark@farmshow.com)

#### Senior Editor

Bill Gergen (bill@farmshow.com)

#### Contributing Editors

Janis Schole (jschole@west-teq.net)

Jim Ruen (edgecom@acegroup.cc)

C.F. Marley (ph 217 563-2588)

Dee Goerge (dee\_goerge@yahoo.com)

#### Office Manager

Anne Lash (anne@farmshow.com)

#### Circulation

Peg Nagel, Shelly Mende, Mary Lunde,

Sue Romnes (circulation@farmshow.com)

**FARM SHOW** (ISSN #01634518) is published bimonthly (6 times a year) for \$21.95 per year (\$25.95 in Canada and foreign countries) by Farm Show Publishing, Inc., P.O. Box 1029, 20088 Kenwood Trail, Lakeville, Minn. 55044. Periodicals postage paid at Lakeville, Minn., and Madelia, Minn. POSTMASTER: Send address changes to FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 (ph 952 469-5572; fax 952 469-5575; email: circulation@farmshow.com; website: www.farmshow.com). Single copy price is \$5.00 (\$7.00 in Canada). Publication No. 469490.

Publications Mail Agreement No. 40032660  
Return Undeliverable Canadian Addresses To:  
Dycorn Mail Svcs.  
495 Berry St.  
Winnipeg, MB R3J 1N6  
Email: circulation@farmshow.com

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March-April, 2007

## New Way To Trap Coyotes, Foxes And Wild Dogs

Catching coyotes, foxes and wild dogs is no easy task, especially near urban areas where traps or bait are often neither legal nor tolerated. However, a new snare-type trap is getting great reviews around the country and around the world. The Collarum from Wildlife Control Supplies (WCS) has caught coyotes in Los Angeles, dingoes in Australia and hyenas and jackals in Iraq.

“The Collarum is canine specific for live capture,” says Alan Huot, WCS. “That means it’s designed to be triggered only by canines. To set it off, they have to bite and pull on the trigger mechanism. Raccoons, rabbits or skunks can’t trigger it.”

Because it is live capture, if you do catch someone’s pet dog instead of a wild troublemaker, it’s not a problem. Most domestic dogs will simply sit down after being caught. Even coyotes are seldom harmed by the snare. In fact, 70 percent of captured coyotes show no significant injuries.

While canine species are notoriously difficult to catch in a cage and traps are dangerous to non-target animals, the Collarum is getting a reputation for success. One Animal Control Officer (ACO) reported setting it 12 times and catching 11 feral dogs.

“The University of Arizona had a dog running loose on campus and hadn’t been able to catch it for months,” says Huot. “They put out a Collarum, and they had him in the first day.”

One of the secrets to the device’s success is the special bait that is highly attractive to canines. “It was developed by a predator trapper and makes the dog or coyote want to bite and pull, not roll on it or lick it,” says Huot.

The spring-loaded Collarum is laid out on

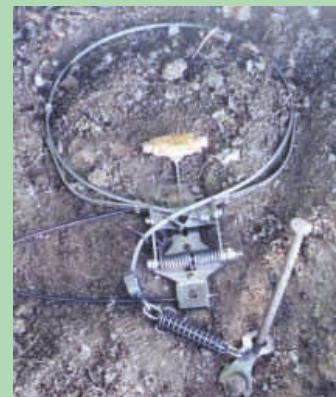


The Collarum snare-type trap is designed to be triggered only by canines such as coyotes, foxes and wild dogs.

the ground with the end of the capture loop anchored to the ground. When the animal bites and pulls on the baited trigger, a cable loop is thrown over the head and around the neck.

“The deluxe kit sells for \$72.95, but it’s really designed for professional trappers,” says Huot. “The ACO Special sells for \$118.95 and has everything needed including a tongue depressor to spread the bait and a DVD that shows how to use the Collarum.”

Contact: FARM SHOW Followup, Wildlife Control Supplies, P.O. Box 538, East Granby, Conn. 06026 (ph 860 844-0101 or 877 684-7262; fax 860 413-9831; sales@wildlifecontrolsupplies.com; www.collarum.com).



Snare uses a special bait that’s highly attractive to canines. It makes the dog want to bite and pull, not roll on it or lick it.