



Self-guided "Lawn Ranger" shuts itself off if anything touches the outside casing.

## SELF-PROPELLED UNIT SENSES EDGE OF UNCUT GRASS

### "Robot" Lawn Mower

"We're bringing high tech to lawn care," say the manufacturers of a new "robot" lawn mower that uses a patented sensor guidance system to detect uncut grass.

The only manual labor required for each cutting is steering the machine once around the perimeter of the yard and any trees or other obstacles in that area. Then you shift the 150-lb. electrically powered unit into automatic and let it do the rest. The sonar sensing system follows the border of uncut grass, guiding the machine. When no more uncut grass is detected, the machine shuts itself off.

The Lawn Ranger, as it's called, has several safety features. Any pressure on the

outside casing or on the bumper automatically shuts the unit down. There's also a remote control shut-down switch so that you can turn it off from a distance.

"It's quiet and trouble-free. Cuts a 25-in. swath and adjusts in height from 1 to 5 in. Operating speed is 70 ft. per min. and the battery charge lasts up to 4 hrs.," says co-inventor Raymond Rafiels, who designed the machine along with his partner Jim Hammond.

Sells for \$900.

For more information, contact: FARM SHOW Followup, Technical Solutions Incorporated, 23904 Jockey Club Terrace, Damascus, Md. 20872 (ph 301 253-4933).

## CAN ALSO BE USED TO PULL WIRES THROUGH WALLS

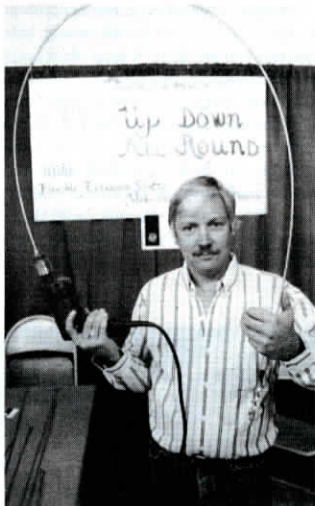
### Flexible Extension Shafts For Your Drill

"Our flexible extension shafts and special drill bits allow you to use an electric drill to install wires inside existing walls anywhere in your house. They save a lot of time when installing phone jacks and electrical switches and outlets in new or old two-story homes," says Russ Bowers, company representative for Udar Corp., Mason City, Iowa.

The shafts, available in 5 ft., 3 ft., and 15-in. lengths, are made of high grade, bendable stainless steel. The 5 ft. section can be bent 180° and the 3 ft. section 90°. The 15-in. shaft is for straight cutting or to give you extra length in case you need it. The shafts can be joined together in any combination by slipping one extension to the other and locking the set screws.

The shafts are designed with hexagon heads and tail pieces. The hexagon heads allow you to join the shafts together. The hexagon tail pieces fit into the drill's chuck to keep the drill bit from slipping due to the extra torque. The tail pieces lock the shaft onto the drill bit to keep it from falling off inside a wall.

"For normal house wiring, the shafts don't need to be joined together," says Bowers. "However, joining three 5-ft. shafts comes in handy where two walls join both floors or alongside a chimney, you often have to pull new wires up to the attic. We recommend using a variable speed, reversible drill. Once the drill bit starts feeding, you can use full power.



You can drill hard-to-reach holes with the extension shaft, then use the shaft to pull wire through walls.

The 5-ft. section sells for \$40, 3-ft. section for \$34.95, and 15-in. section for \$19.95. Three sizes of drill bits are available ranging in price from \$5 to \$8.

For more information, contact: FARM SHOW Followup, Udar Corp., 1144 Maple Dr., Mason City, Iowa 50401 (ph 515 424-4744).

# FARM SHOW

**New  
Products  
Especially For  
Women And The  
Farm, Ranch  
Home.**

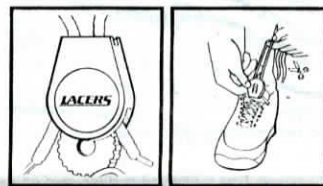
## HOLDS TIGHTER THAN A DOUBLE KNOT YET OPENS AT A TOUCH

### Speedy New Way To Tie Athletic "Tennis" Shoes

New plastic "lace locks" hold tighter than double knots and eliminate the problem of picking apart wet knots, according to the manufacturer.

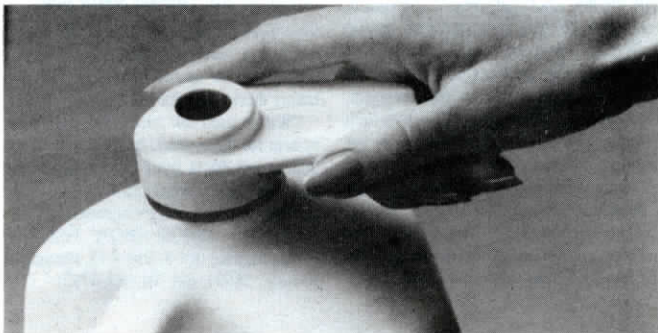
The small plastic device simply slips over the laces and a nylon gear wheel is inserted to hold them in place. To tighten, pull the laces tight and slide the thumb knob upward to lock. To loosen, just slide the thumb knob outward to release it. Tie knots in the laces and cut off the excess.

Although designed primarily for athletic tennis shoes, "Lacers" can be used on any laced shoe or boot. They sell for \$3.00 a pair



and are available in 12 colors.

Contact: FARM SHOW Followup Lacers Of USA, Inc., P.O. Box 959, Virginia, Minn. 55792 (ph 218 749-4213).



One end of tool twists tops off milk cartons, pop bottles. The other end pries up flip top tabs.

## OPENS PLASTIC MILK CAPS, TWIST TOPS AND LIFT TABS

### New Kitchen Tool Twists Off Tops, Tabs

New hand tool removes plastic twist tops from milk cartons or metal twist tops on bottles. Flip it around and the back end of the tool opens flip-top tabs on soda and beer cans.

The white plastic opener is 4 in. long. "It's great for anyone who doesn't have the strength to open these types of bottles or who wants to open them effortlessly. It also

works great to replace twist tops to keep drinks fresh," says Patti Ferrin, of East Hampton Industries, the manufacturer.

Sells for \$2.50.

For more information, contact: FARM SHOW Followup, East Hampton Industries, P.O. Drawer EEEE, East Hampton, N.Y. 11937 (ph toll-free 800 645-1188).