Safety Device for Walking on Icy Pavements

When you slip on ice, your foot kicks paddle (A), lowering finger (B), snapping turtle (C) extends neck to bite finger, opening ice tongs (D) and dropping pillow (E), thus allowing you to fall on something soft.

Reuben Garret L. Goldberg (July 4, 1883 - December 7, 1970) was an American cartoonist. He graduated from University of California Berkeley and went to work as an engineer with the City of San Francisco Water and Sewers Department. After six months he quit his job and became a cartoonist. A founding member of the National Cartoonist Society, a political cartoonist and a Pulitzer Prize winner, Rube was a beloved national figure as well as an often-quoted radio and television personality during his sixty-year professional career.

Rube Goldberg earned lasting fame for his Rube Goldberg machines, complex devices that perform simple tasks in indirect, convoluted ways. Through his "INVENTIONS", Rube Goldberg discovered difficult ways to achieve easy results. His cartoons were, as he said, symbols of man's capacity for exerting maximum effort to accomplish minimal results. Rube believed that there were two ways to do things: the simple way and the hard way, and that a surprisingly number of people preferred doing things the hard way.

For more information visit: http://www.rube-goldberg.com/
SIX SIMPLE MACHINES
Incline, Wedge, Pulley, Wheel and Axle, Screw, Lever

OBJECTIVE: Construct a mechanism using all six machines with the materials provided.

Machine Contest Rules & Regulations

Machine Specifications
- The machine must complete the task as described in the challenge.
- The machine must be no larger than 6 ft x 6 ft x 6 ft.
- The machine must run for no more than two (2) minutes per run.
- No live animals may be used in the machine.
- The machine must not imply profane, indecent or lewd expressions.
- Any loose or flying objects must remain within the set boundaries of the machine. This includes, but is not limited to, drops of water, slivers of balloon, and other “small” objects. Steam and other gasses are exempt from this rule.
- No flames may be used on the machine.
- No hazardous materials or explosives can be used on the machine.
- The machine must be safe during demonstration.
- Any destructive action against another machine is grounds for disqualification.

Materials Provided

| String | Power Strips | Stickers | Soda Bottle Tops |
| Glue, Glue Gun | Pulleys | Wedges | Scissors |
| Foam Board | Dowel rods | Cars | Foam Cups |
| Marbles | Balloons | Duct Tape | Masking Tape |
| Pins | Mouse trap | Play Dough | Tubing Plastic |