


Rubik's Dice



Matchbox 1990.

(plastic with internal parts and magnets, 2.7 inches)

Plates inside a hollow cube that have white and red dots on them can be manipulated by tilting the cube; the goal is to make only white dots shown in the holes that have the pattern of a standard die. The 1993 patent of *J. Bognar and E. Rubik* of a similar mechanism with plates with a single hole on each side into which a finger can be pushed. *Jaap's Page* describes the configuration of the plates and gives a solution. Here is the English portion of the directions from the back of the box:



Rubik's DICE

A dice like no other — it constantly changes its spots: sometimes red, sometimes white — even both. The idea is to have them all white. Flip it, tap it, shake it — to solve it needs clever hands and a cool head.

Un dé comme aucun autre. Il change constamment

Further Reading

Jaap's Page, from: <http://www.geocities.com/jaapsch/puzzles/rubdice.htm>

McFarren's Page, from: <http://www.geocities.com/abcmcfarren/math/r90/dicenot.htm>

Koller's Page, from: <http://www.mathematische-basteleien.de/dice.htm>

Bognar-Rubik Patent, from: www.uspto.gov - patent no. 5,184,822