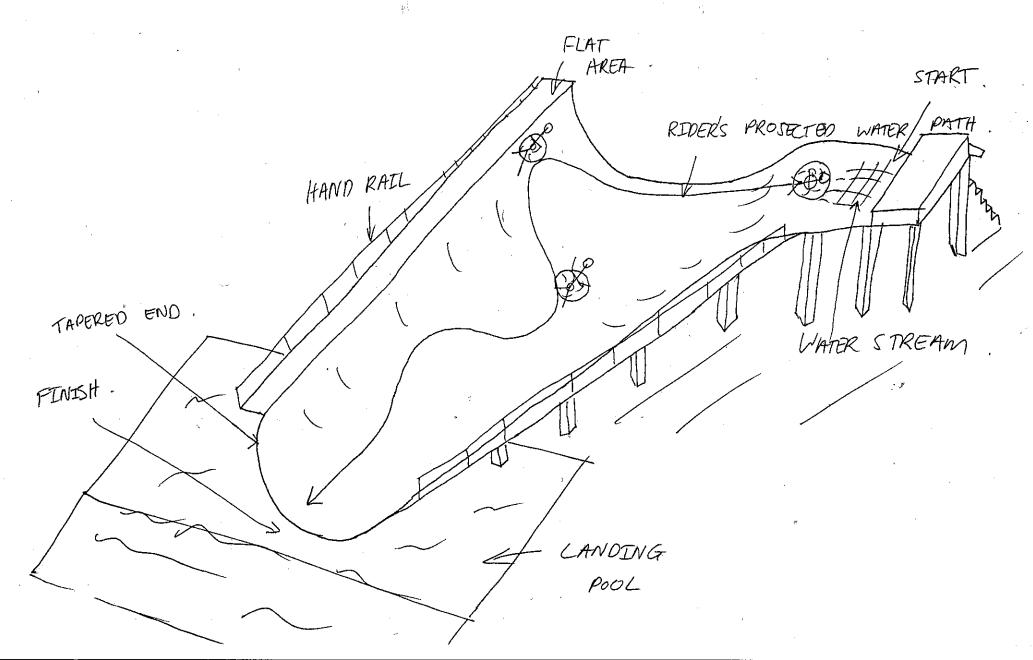
Pool Toys

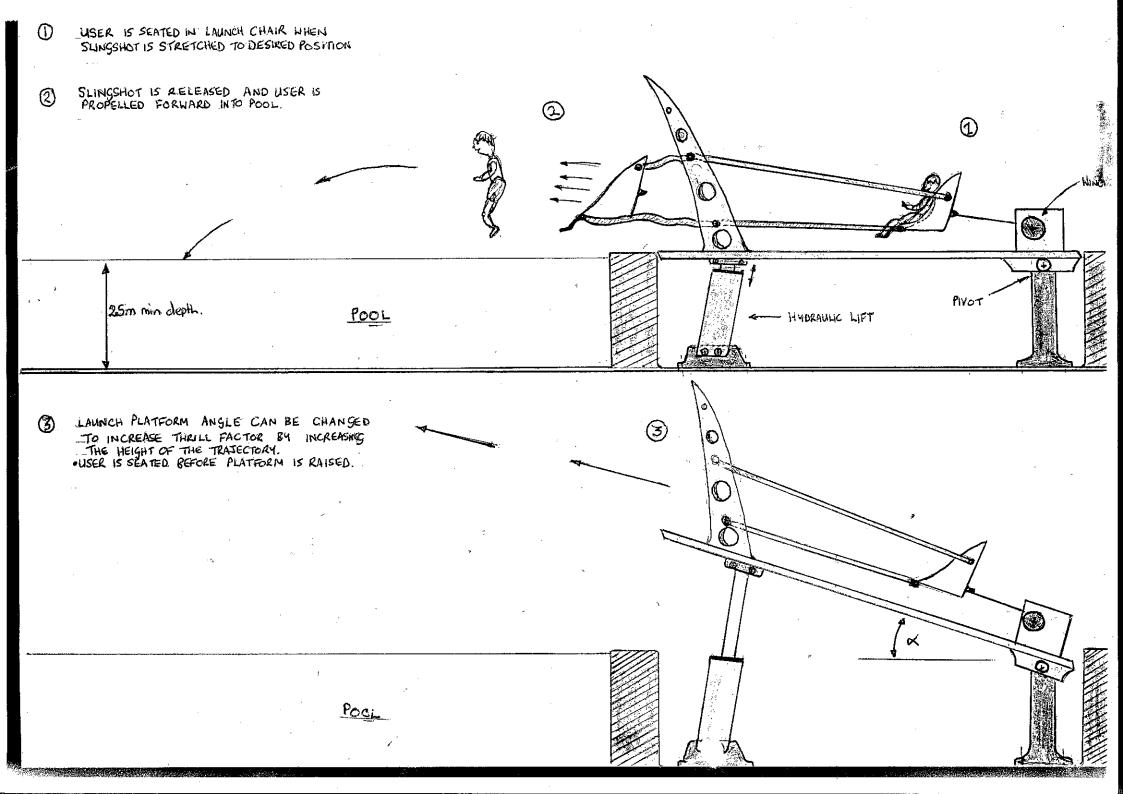
Concept Sketches from Previous years

MALF PIPE SUIDE

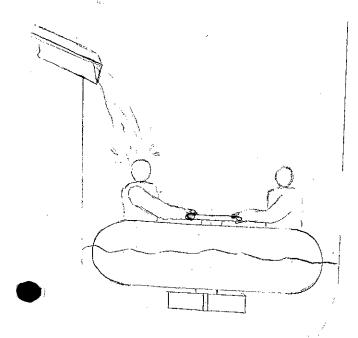


Concept Sketch

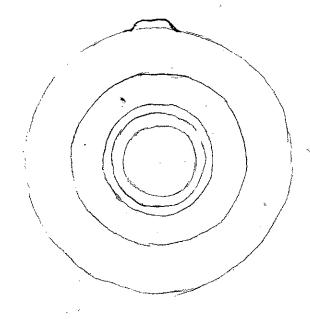
Pool climbing unl

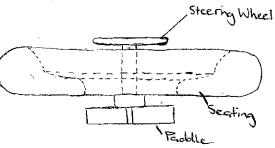


LLUSTRATIONS

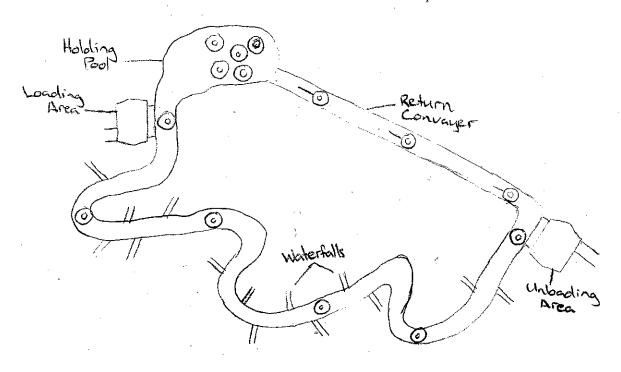


View of Raft Travelling Down River.





Plan and Elevation of Raft.



Impression of River Showing Features.

The AquaPuzzle

What the concept is

Called the AquaPuzzle, it is designed to be a new major item. It is a decorative and attractive addition to any swimming complex. The feature is entertaining, educational and safe for children.

How it works

The AquaPuzzle is designed to be situated at the bottom of an existing swimming pool. The puzzle pieces are made from high-density foam, and will float on water. When a child dives into the pool and places a puzzle piece near the bottom, it sticks in place. Each piece has been impregnated with iron filings, which are magnetic. The bottom of the pool has a series of electromagnets installed under it, which attract the puzzle pieces.

Once the puzzle has been completed, the press of a button will switch the electromagnets off, allowing the puzzle pieces to float back to the surface.

Special benefits, features and advantages

- Because of the safe design of the AquaPuzzle, no extra adult supervision is required.
- The device teaches children underwater skills such as diving, swimming with their eyes open, holding their breath underwater and working as a team.
- Children between the ages of 10 14 are particularly adventurous and boisterous. For this reason the item must be safe and "idiot-proof". The Aqua Puzzle was designed with this in mind, and the puzzle pieces are designed to be robust enough to handle a substantial flexing and shock loading (as a result of being thrown around the pool).
- As the puzzle pieces are interchangeable, new puzzle pieces could be made up for the changing holiday themes of the pool. This would help to freshen up the atmosphere and encourage children to involve themselves in making the puzzle more than once.

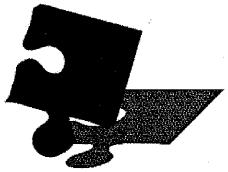
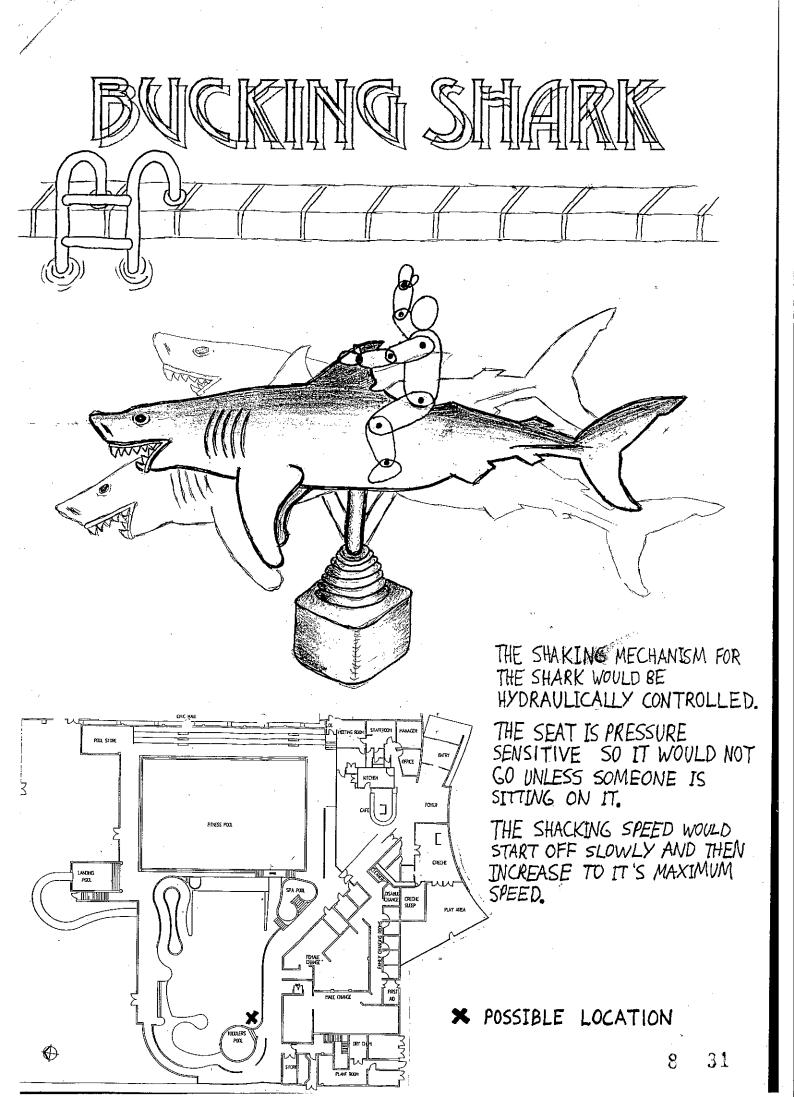


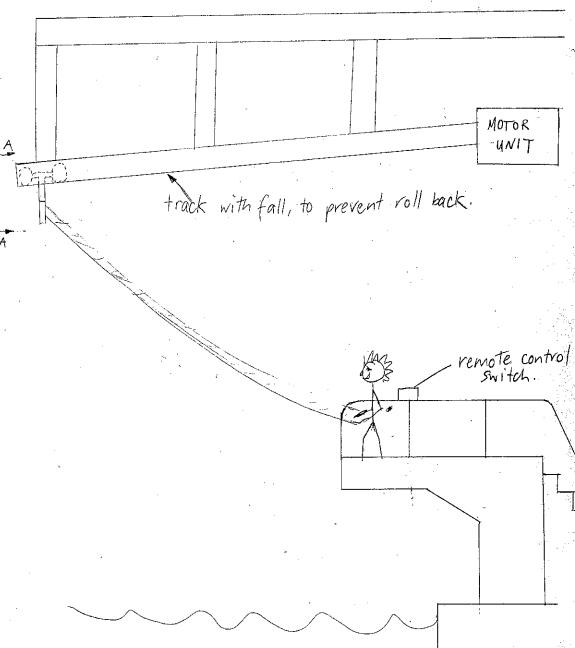


Fig 1.0 The AquaPuzzle - conceptual representation



_Angle steel attached to roof structure guidepipe nylon glide Chain —High Tensile Gyelet Rope 400mm Hemp

A-A Henderson track/door opening system

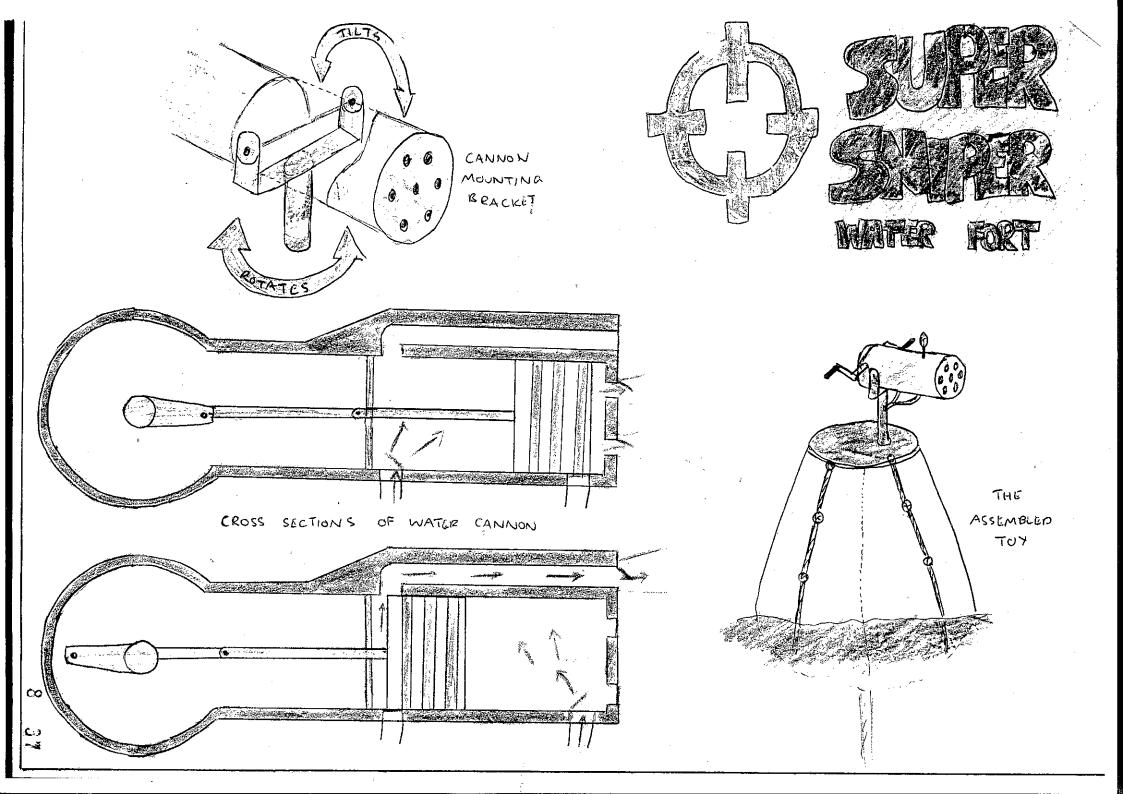


Henderson

Heavy duty

commercial sliding door

track and four wheeled roner



Aquatic Amusement Bladder

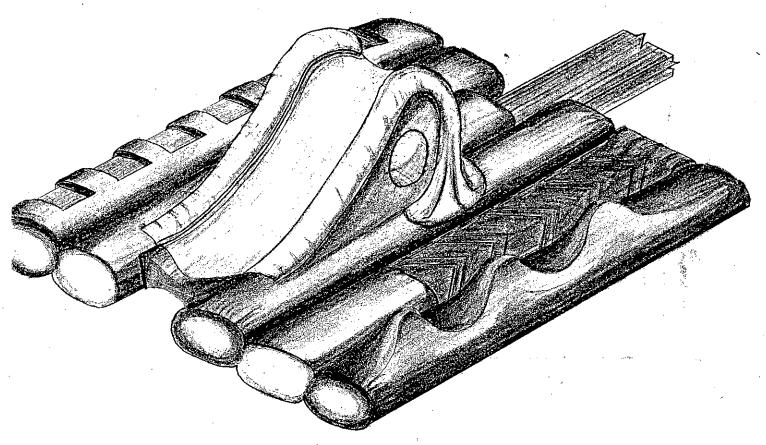


Figure 1. Aquatic Amusement Bladder

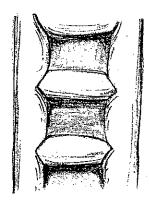


Figure 2. Slide Lodder

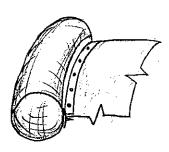


Figure 3. Coupling format for the bladder and Slide

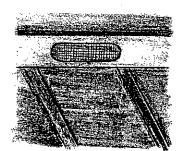
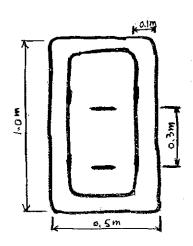
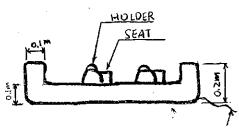


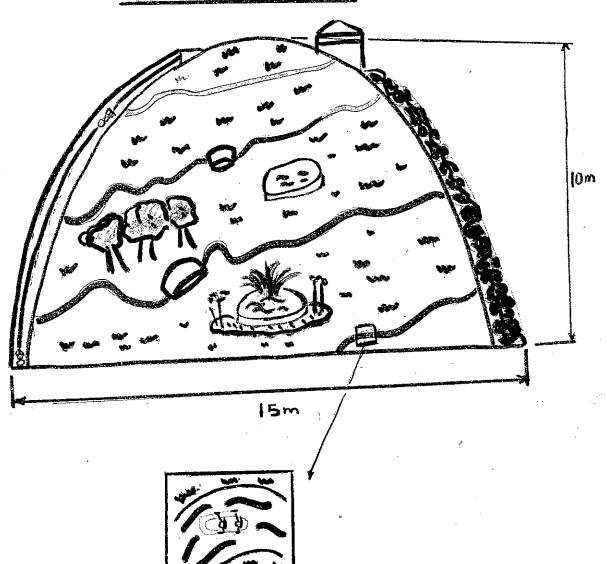
Figure L. Slip and slide water tranfer holes

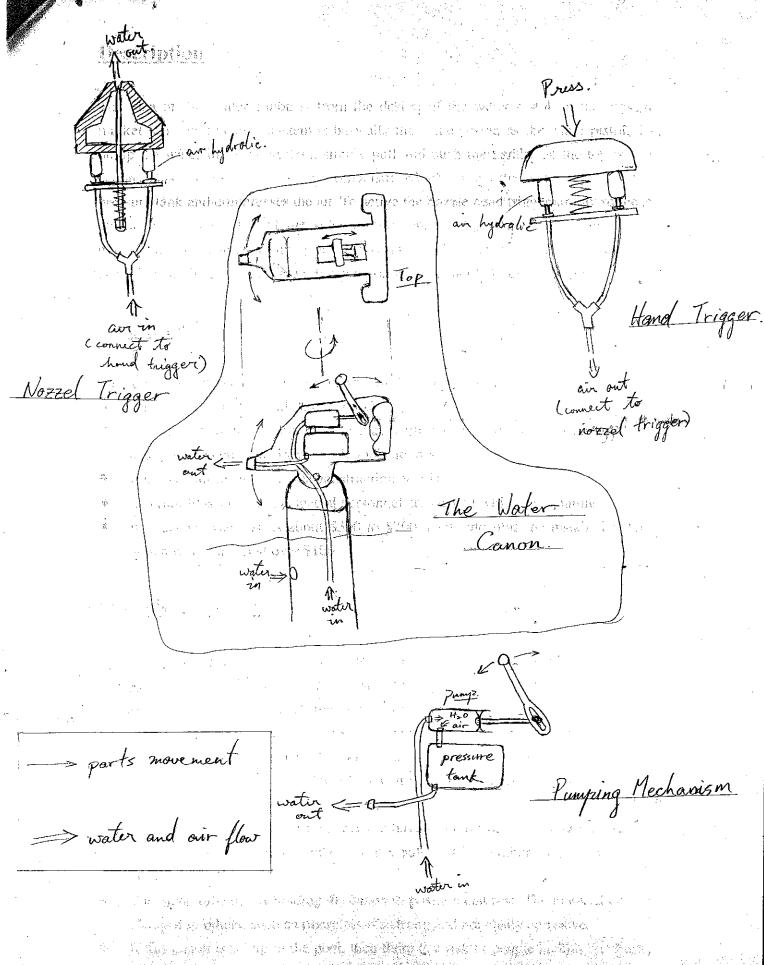




STRING TO HOLD UP THE PULLING MACHINE

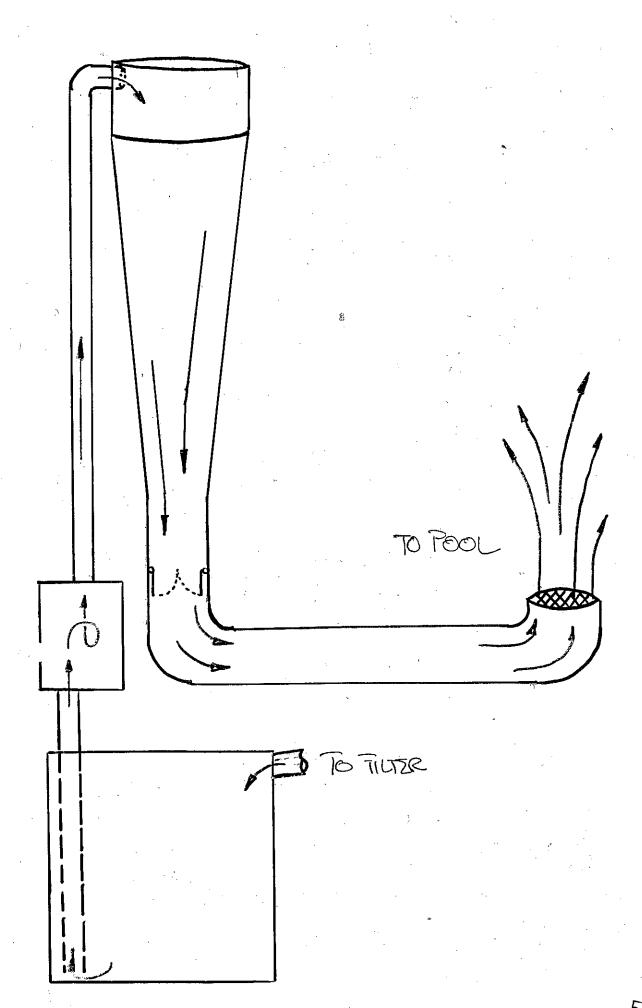
HYDRE - SLIDE





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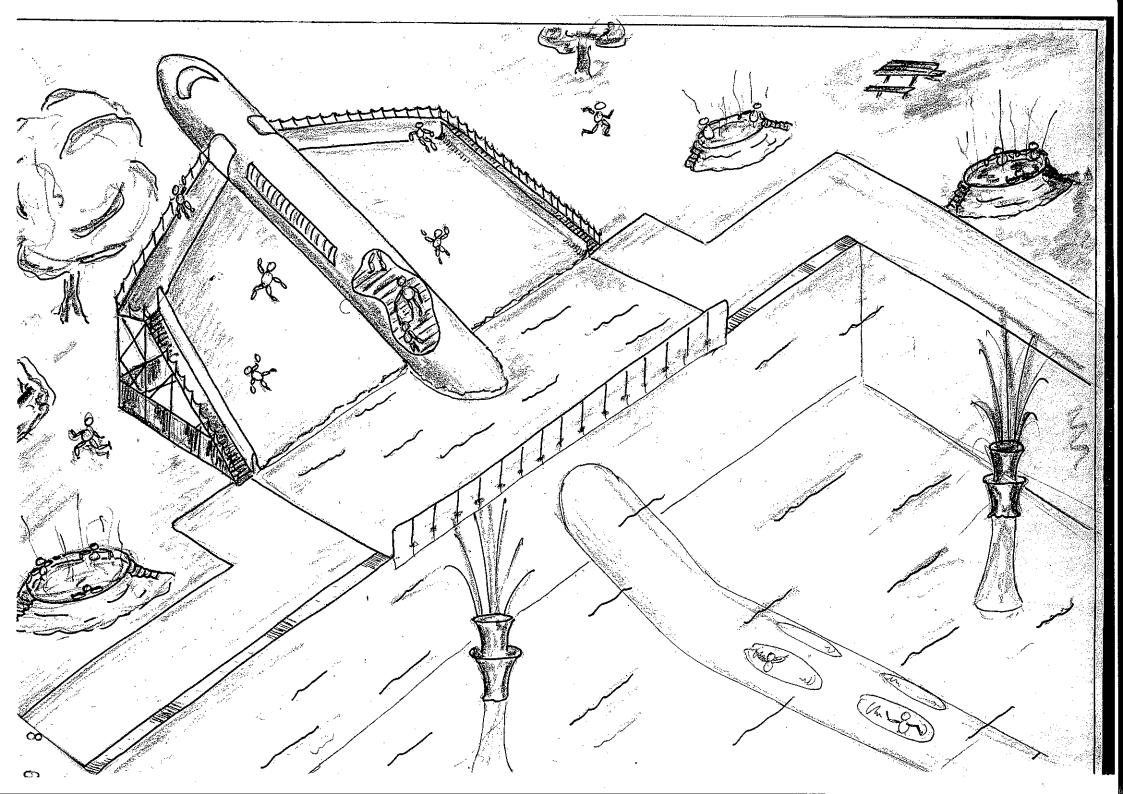
LITUSEZ, KUMP, HOLDING LANK

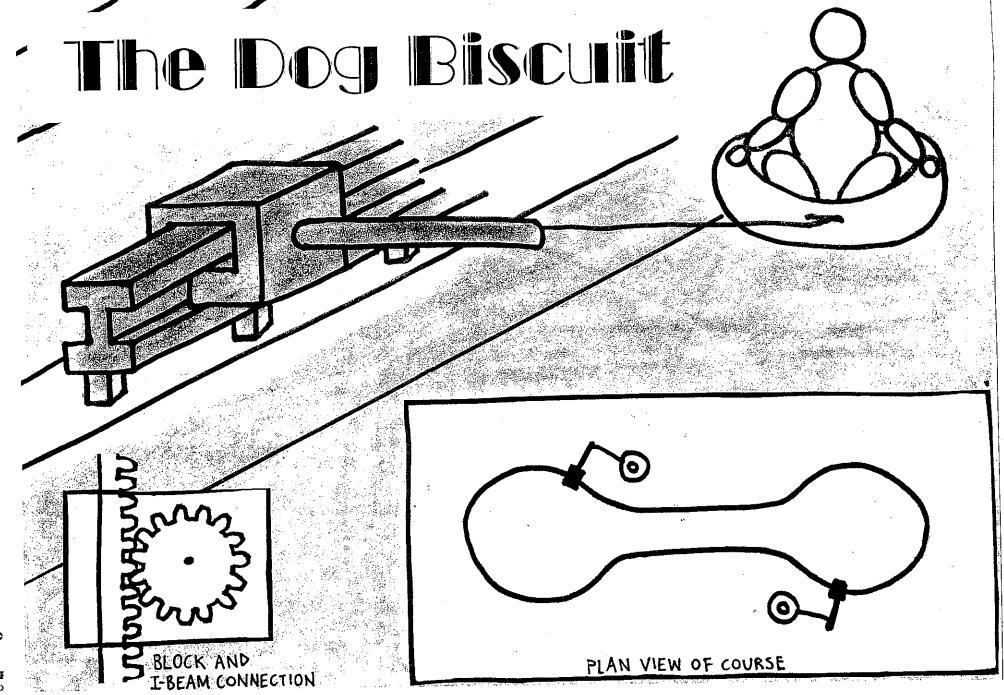


Aquatic Water Toy - The Mouse Wheel' : Cylindér potates as person walks inside, Rungs to sprovide incread WATER LEVEL W1776

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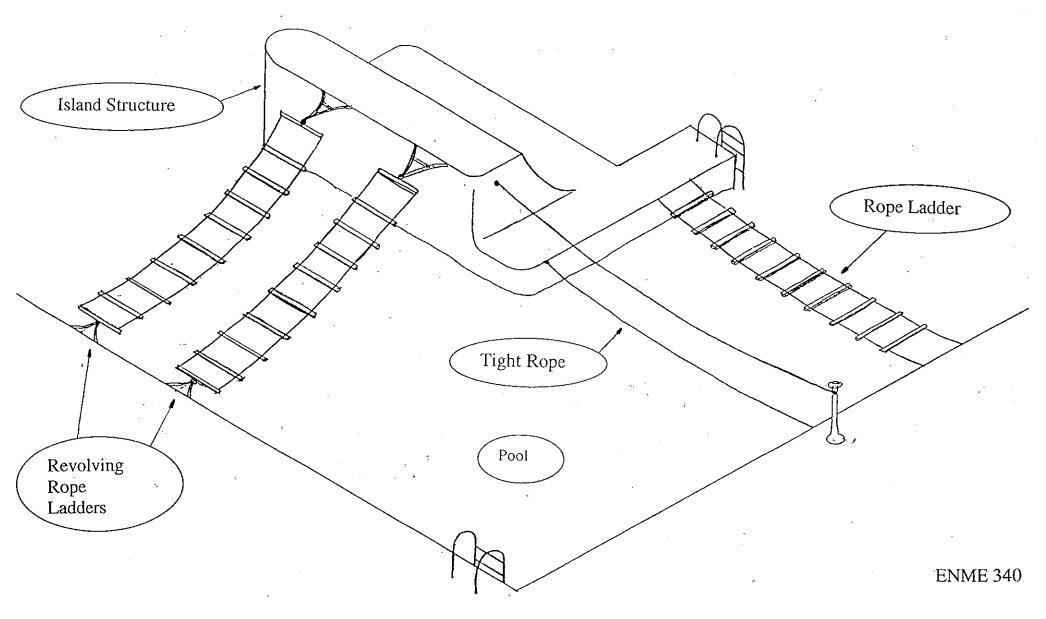




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Mechanical Engineering Design A Water Feature



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