Golf-Ball Launcher



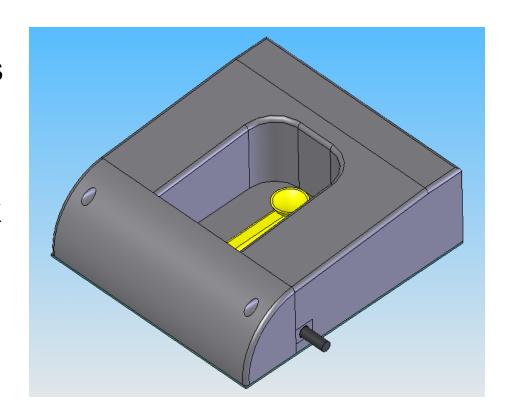
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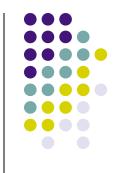
The Golf Ball Launcher



- Catapult that launches golf ball 200 yards
- Minimal strike on back pad releases catapult.
- Lightweight and Portable



Why golf?



10% of US population plays golf

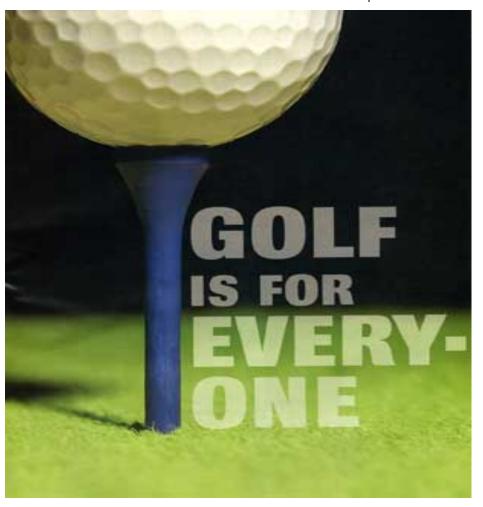
- Few disabled can play
- "It's our belief, that it's one of the best sports for people with disabilities...anyone with a disability."

Bob Hope, East Amputee Golf Assoc

Target Market

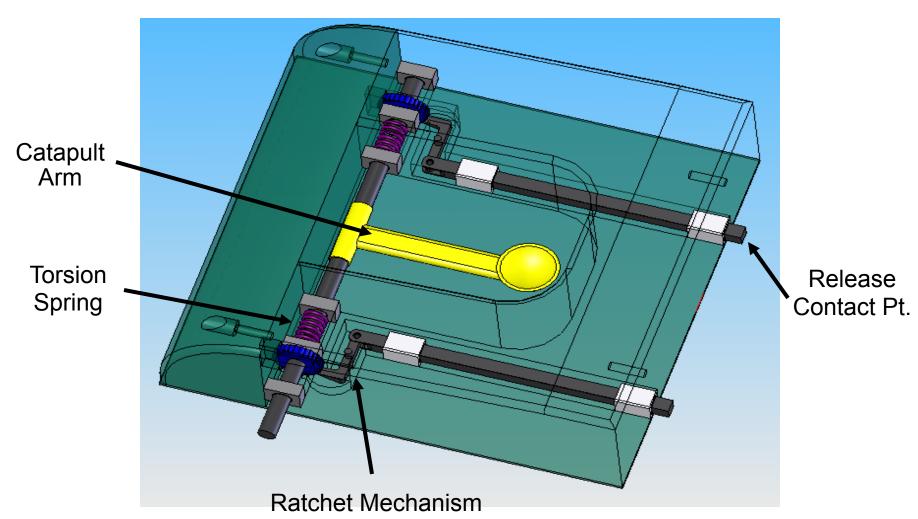
- Physically and Mentally Disabled w/ Nonsevere Disabilities
- Current Market: 8.2 Million
- Estimate 10% or 800,000 interested
- Contacts: PCGA and Cardinal Cushing





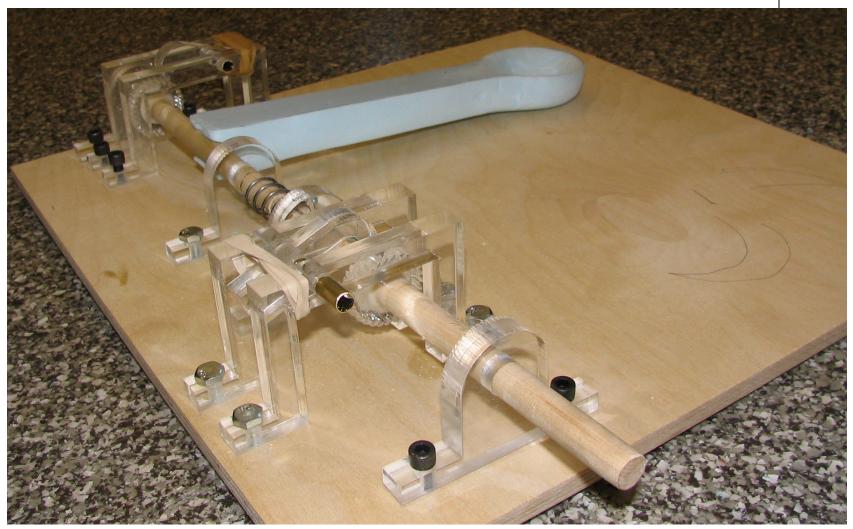
How it works:

















In Use





Feasibility: Beyond Foam

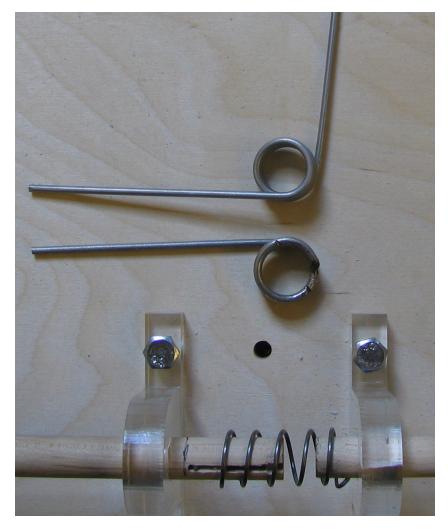
- Energy Conservation
- Spring PE = Golf Ball KE
 - $k\theta^2 = mv^2$

- For 200 yd Launch:
 - Torsion Springs w/k = 35.3 N-m
- Special order...but feasible

Take-A-Ways

- Spring needs custom manufacturing
- Destroyed Springs

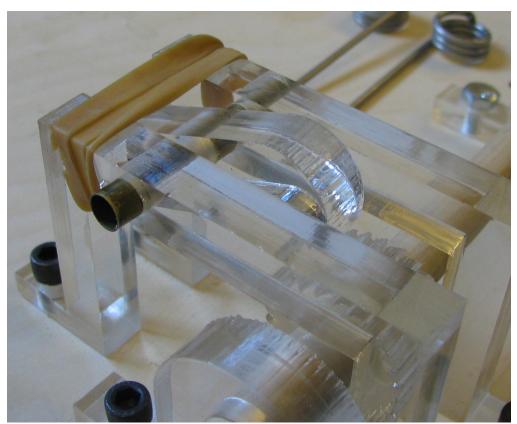




Take-A-Ways

 Release Mechanism needs force to keep pin in place

Rubber Bands



Future Consideration



Structurally Stable

Trajectory/Distance adjustments

Load Ball Automatically

Alternative Launching Mechanisms