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A 3D Printed Simple "Walking" Mechanism

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Located at: <http://www.youmagine.com/designs/a-3d-printed-simple-walking-mechanism>

Short description:

A simple walking mechanism.

Description:

https://youtu.be/q9p56CIYZ_k A recent YouTube video appearing in my YouTube suggested video feed was a CAD animation of a simple walking mechanism. Designed by thang010146 (<https://www.youtube.com/watch?v=1ht3nz4YgGY>), the mechanism intrigued me enough to try designing my own. thang010146's mechanism was designed to be powered by torsion springs or rubber bands, but I decided to design a motorized version. After a long afternoon of design (my version consists of eight unique 3D printed parts, twenty six total 3D printed parts, a motor, battery and battery connector), 3D printing and assembly, "A Simple 3D Printed "Walking" Mechanism." is the result. And as indicated in his video, the mechanism indeed powers over "rough" terrain with ease. As usual I probably forgot a file or two or who knows what else, so if you have any questions, please do not hesitate to ask as I do make plenty of mistakes. Designed using Autodesk Fusion 360, sliced using Cura 4.6.1, and 3D printed in PLA on an Ultimaker 2+ Extended, an Ultimaker 3 Extended and an Ultimaker S5.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/a-3d-printed-simple-walking-mechanism> because those may have been updated. Also, there you can interact and provide praise and/or feedback.