

Mechanical Power from Play and Exercise

How do we turn a drive shaft?

Using mechanical power for mechanical purposes is the most reasonable energy solution for society's most essential functions.



A two-footed treddle turns the drive shaft of this yarn-spinning wheel. The circle for winding string acts like a flywheel.

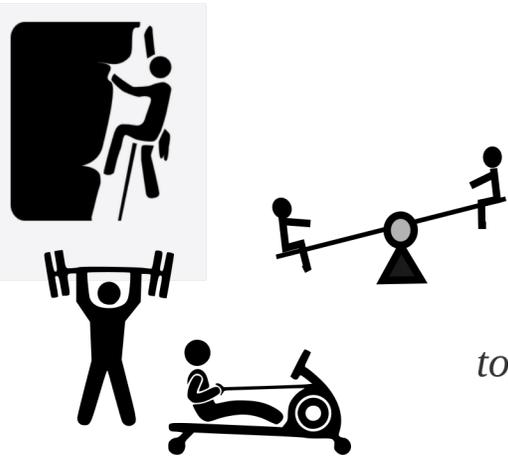
For Mechanical purposes, generally speaking, electricity is:

- terribly inefficient
- grossly destructive to produce
- fragile, vulnerable, non-resilient, and insufficiently reliable
- disenfranchising
- completely unnecessary

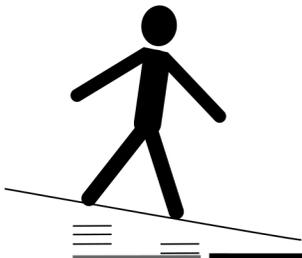
We have plenty of working DIY-style examples of bicycle-powered food-blenders, bicycle-powered bandsaws, rowing machine powered laundry machines, and so forth.

What we don't have is even modestly intelligent use of mechanical advantage to make this more practical and ubiquitous.

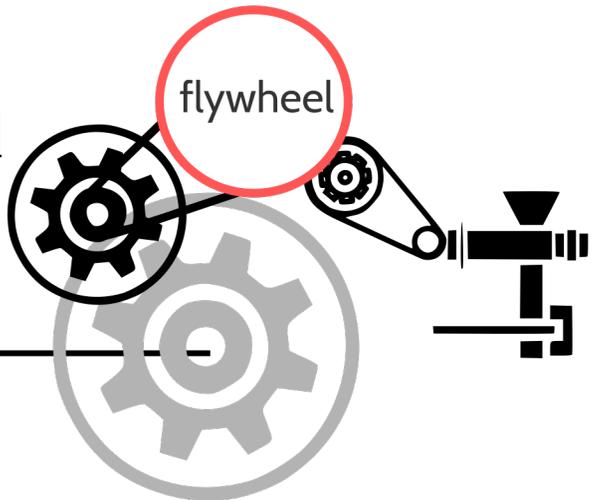
*These mechanisms
flywheel -
transmission -
gravity battery -
human-friendly inputs -
together give us liberation.*



Human-powered Flywheel Motor



A "Waddle Board"
Stand on it and "waddle" back and forth to power any machine.



All essential functions such as food processing, laundry, textile, woodworking, and so forth, must be attained in the most effective and reliable way possible.

Gravity battery

Gravity batteries store energy in elevated mass; lowering the mass releases energy.

To utilize energy stored in a gravity battery:

- lower battery/payload to spin-up the flywheel
- adjust RPM
- use drive shaft to power:

heavy, like 1000lbs maybe

flywheel

Harmonode Research and Development

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