

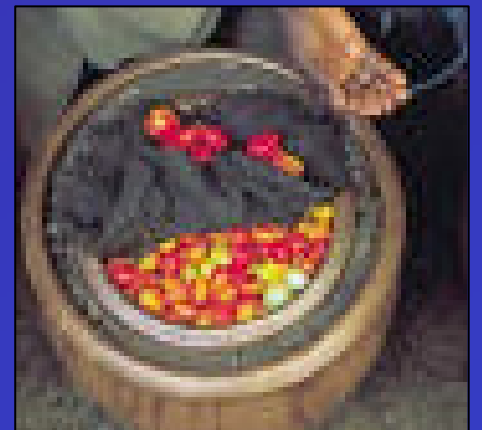
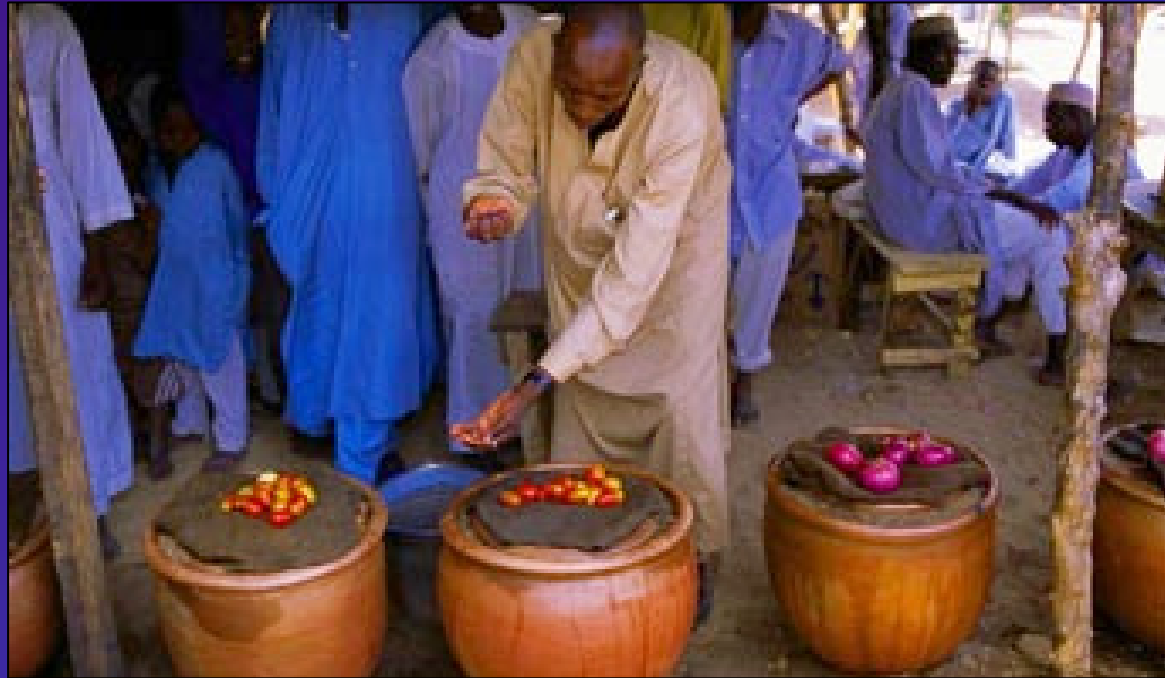
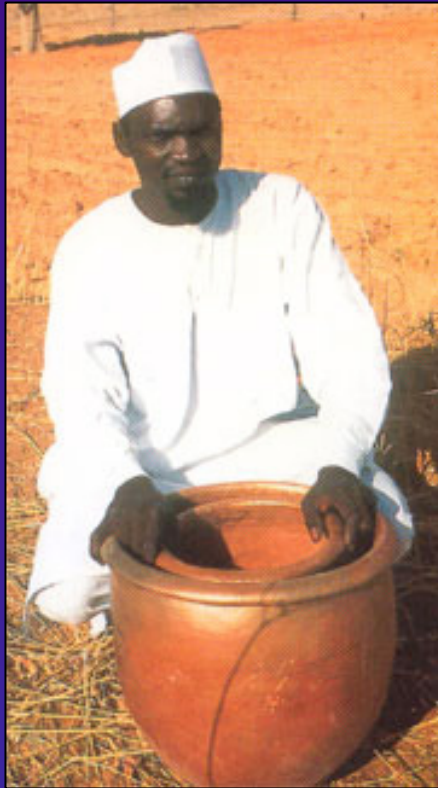
The Three Revolutions of International Development

- Appropriate Technology
- Participatory Development
- Co-Creation

The Sari Cloth Filter



The Pot-in-Pot



Whirlwind Wheelchairs



Grameen Phone



Participatory Development

- Working with communities to identify problems



Stakeholder Analysis

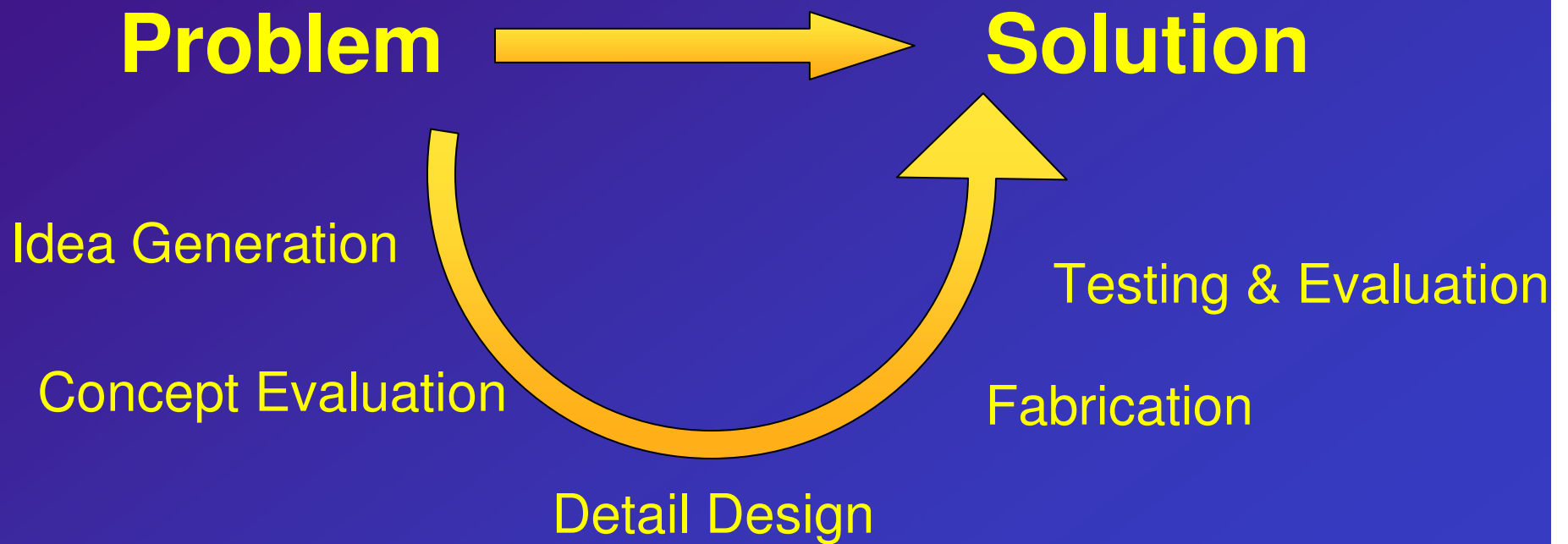
- Identify stakeholder's interests in, importance to and influence over the operation of a project
- Identify local institutions and processes on which to build
- Provide a foundation and strategy for participation

Co-creation

QuickTime™ and a
TIFF (LZW) decompressor
are needed to see this picture.

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

The Design Process



Consultation vs Co-Creation

Community Involvement

Problem



Solution

Community Involvement

Idea Generation

Community Involvement

Testing & Evaluation

Concept Evaluation

Fabrication

Detail Design



A Guiding Principle for AT

- Give a man a fish, and he eats for a day
- Teach a man to fish, and he eats for a life time...
unless there's no river nearby!!

A Guiding Principle for Co-Creation

- Give a man a fish, and he eats for a day
- Teach a man to fish, and he eats for a life time...
until the fishing pole breaks!!

A Guiding Principle for Participatory Development

maybe you should ask if he likes fish!!

Simplicity is the ultimate sophistication.

Leonardo da Vinci

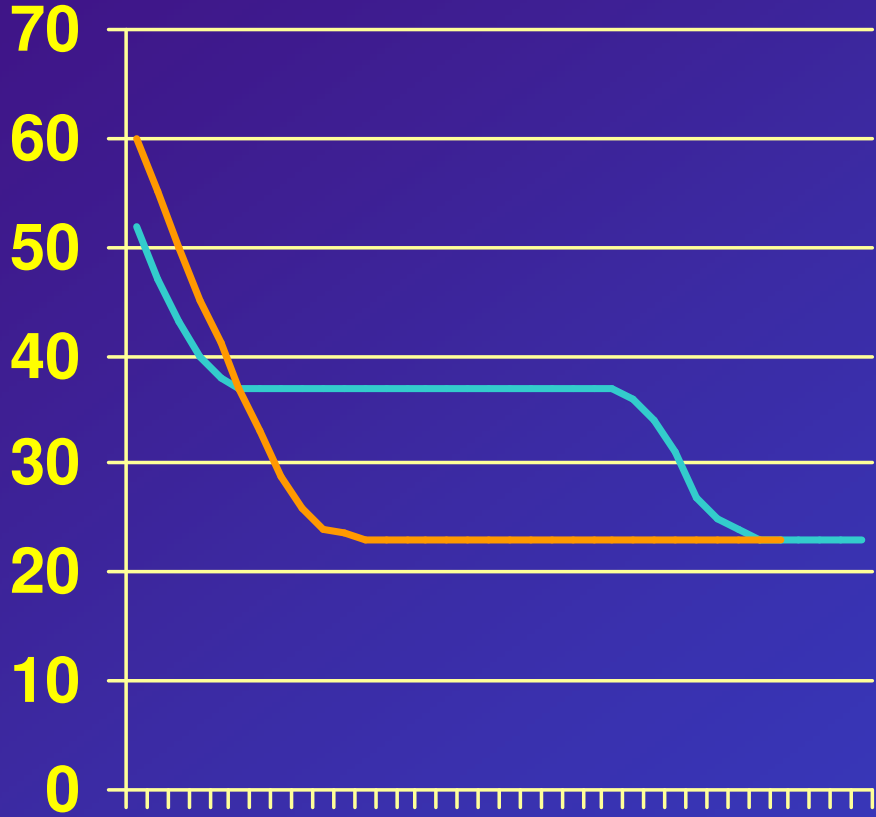
**Everything should be made as simple
as possible, but not simpler.**

Albert Einstein



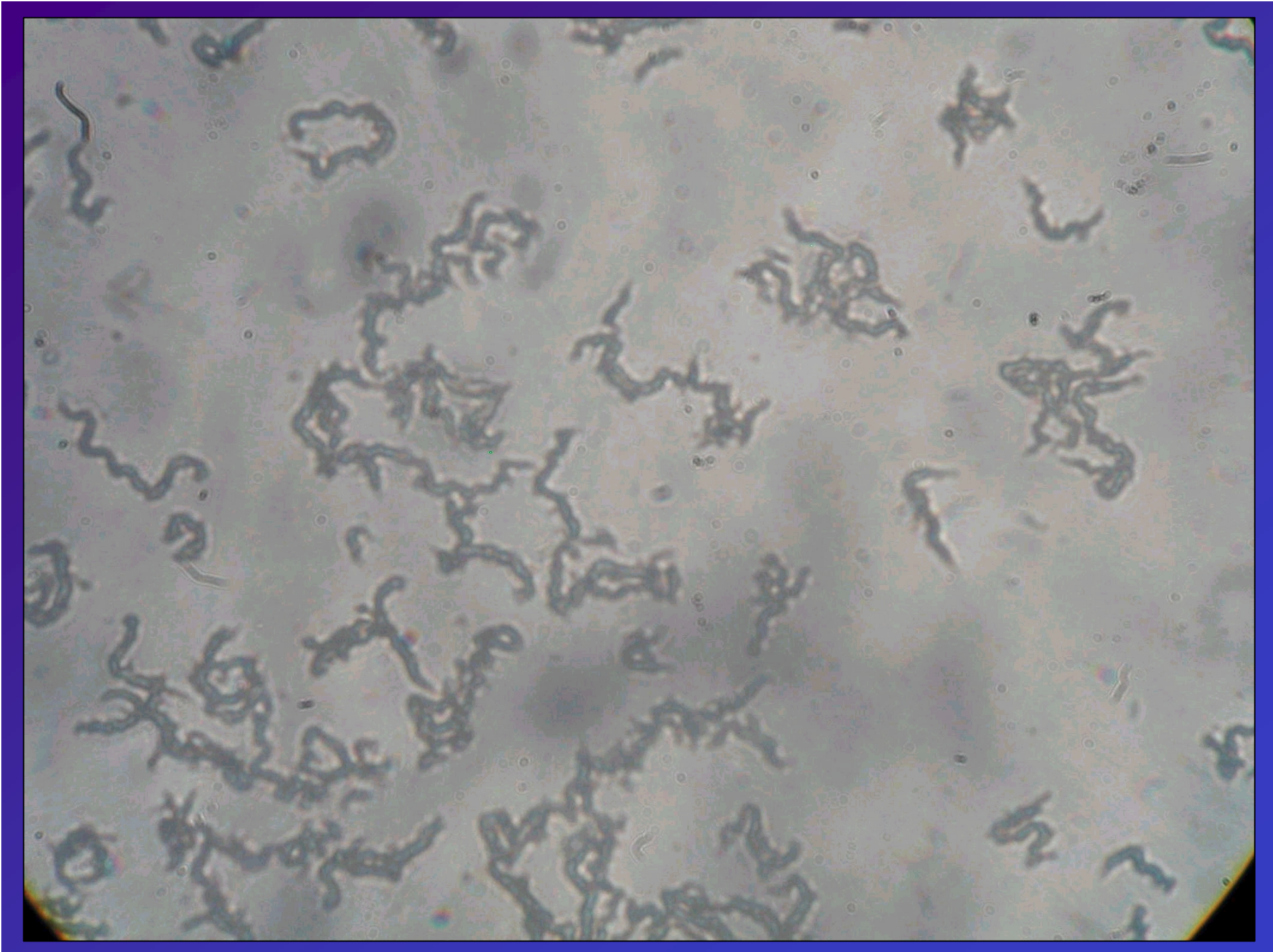


Phase Change Incubator





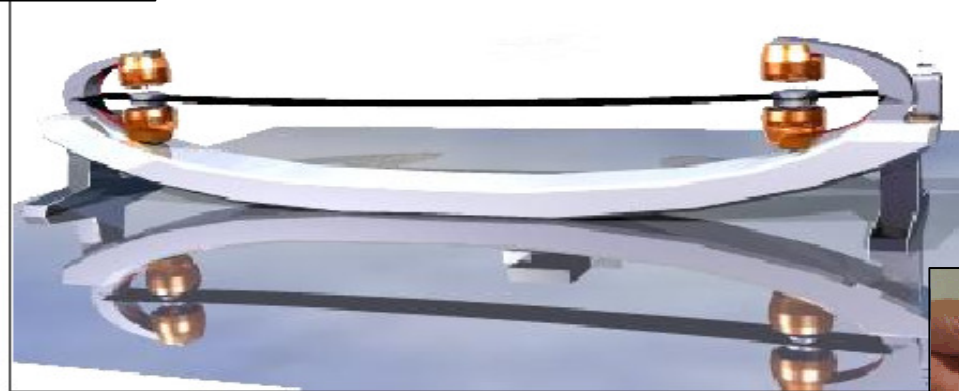




Harder problems lead to better inventions

Shawn Frayne

Turbineless Wind Generator



The Jaipur Foot Organization



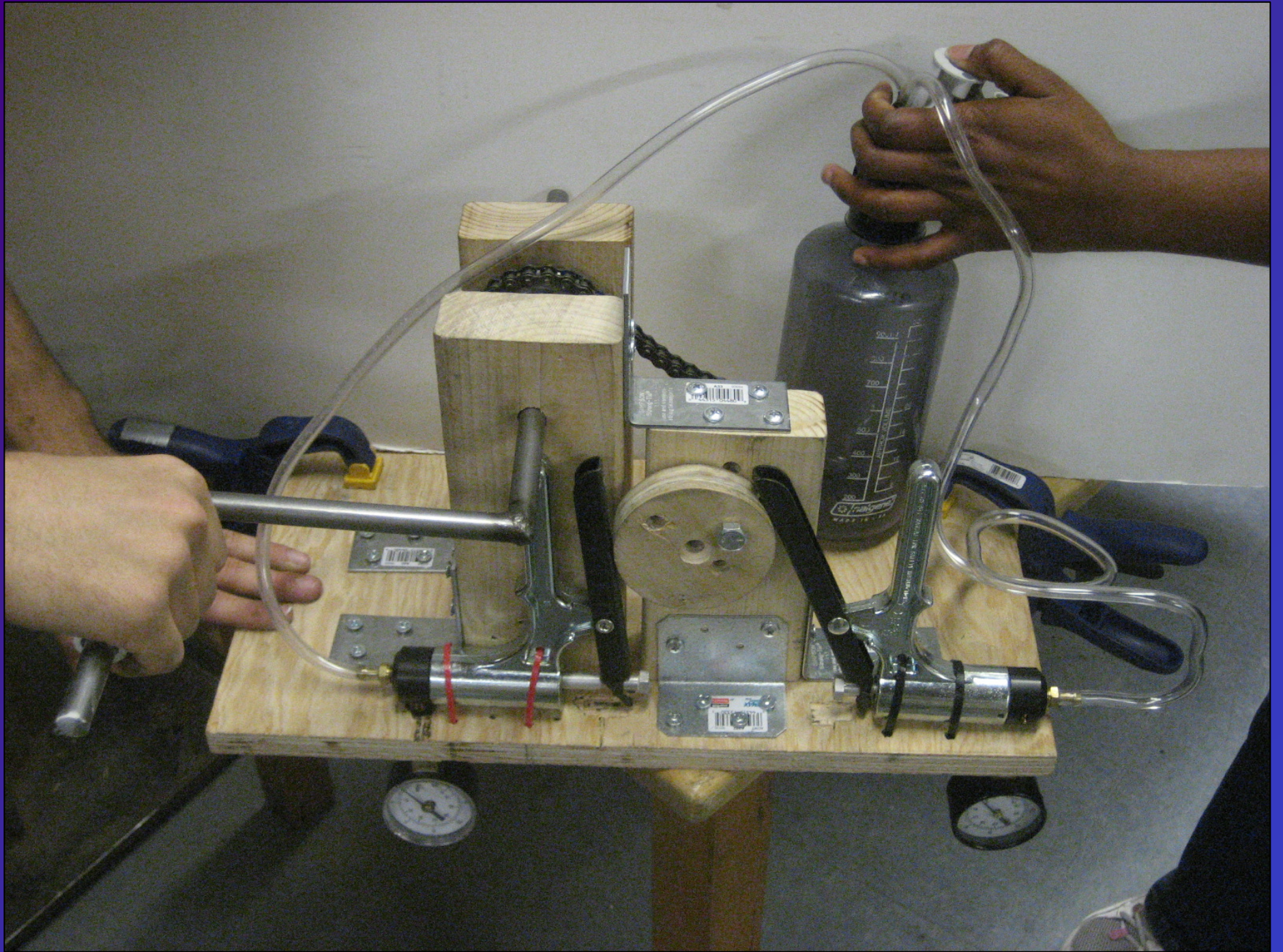
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One machine can do the work of fifty ordinary people. No machine can do the work of one extraordinary person

Elbert Hubbard