

PEDAL OPERATED WATER PUMP

ABSTRACT

Powered water pump exist, but they are impractical in rural regions because running water and electric are expensive or unavailable. Several groups already tried to build machines for these regions but they have been unsuccessful. Their machines were either expensive to build and repair because they require imported parts or they do not operate effectively.

Our invention is that, a low cost, pedal-powered water pump that is designed around readily available parts. Its innovation is its simple design and its use of inexpensive plastic barrels and bicycle components. It is reliable, easy to operate and uses no electricity. The parts are available locally, so it can be manufactured and repaired in the community without depending on imported goods.

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