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Republic of Zimbabwe **Ministry of Health** 

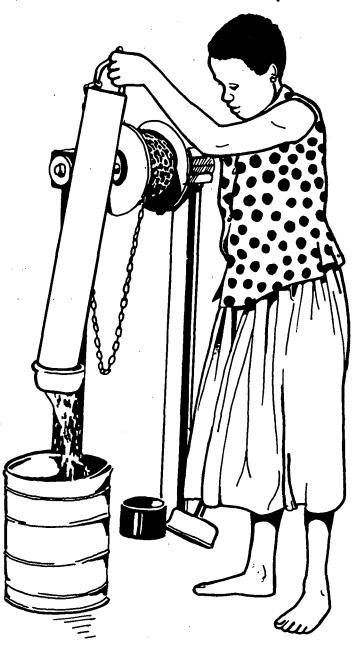
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## Raising water with different pumps

# Pump handout No 1

The Zimbabwe Bucket Pump



Blair Research Laboratory Box 8105 Causeway, Harare

### **Acknowledgements**

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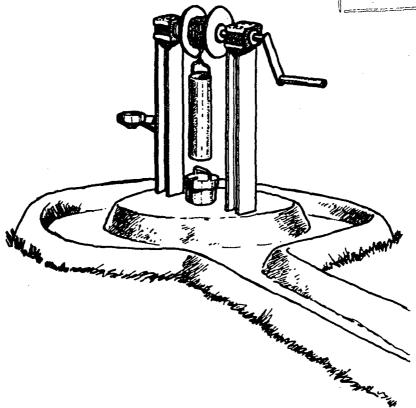
## The Zimbabwe Bucket Pump

The Zimbabwe bucket pump is a hand operated pump which is used to raise water from tube wells and hand dug wells in rural Zimbabwe. Bucket pumps provide a simple, safe and hygienic way of raising water for domestic use.

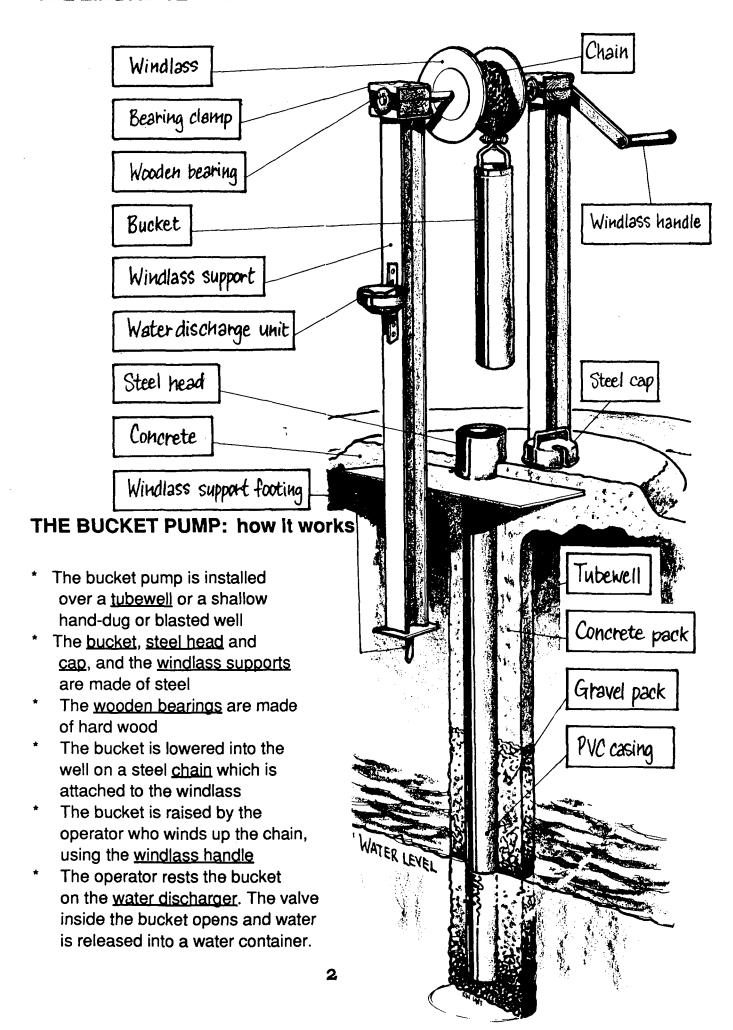
Bucket pumps are made in Zimbabwe. They can be easily installed by the community and will last for many years if properly maintained.

The Zimbabwe Bucket Pump was developed at Blair Research Laboratory, Harare.

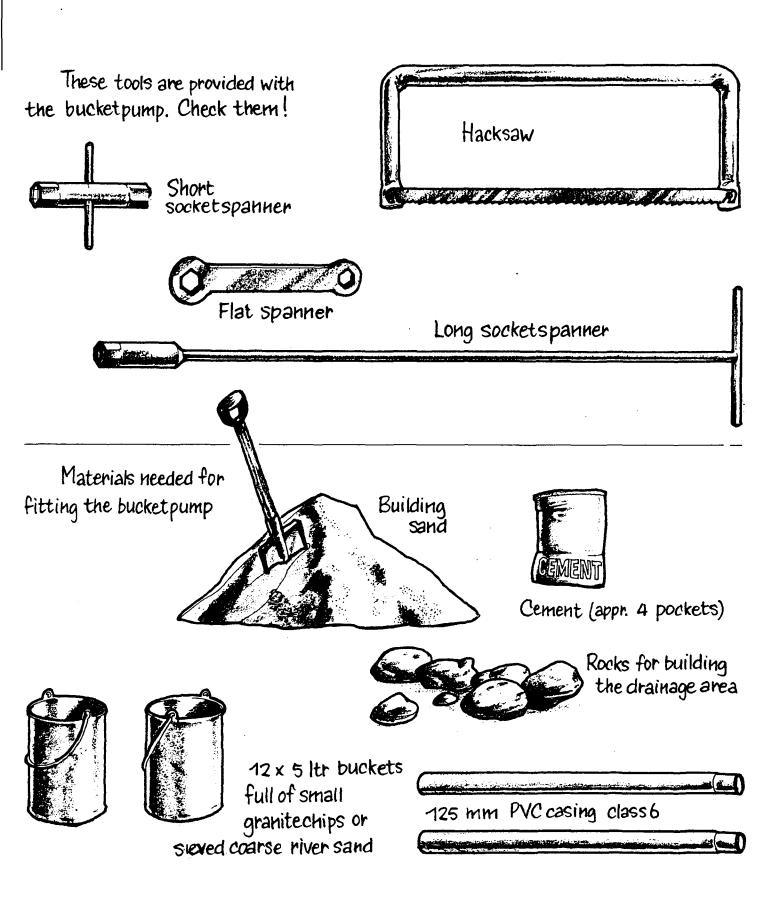
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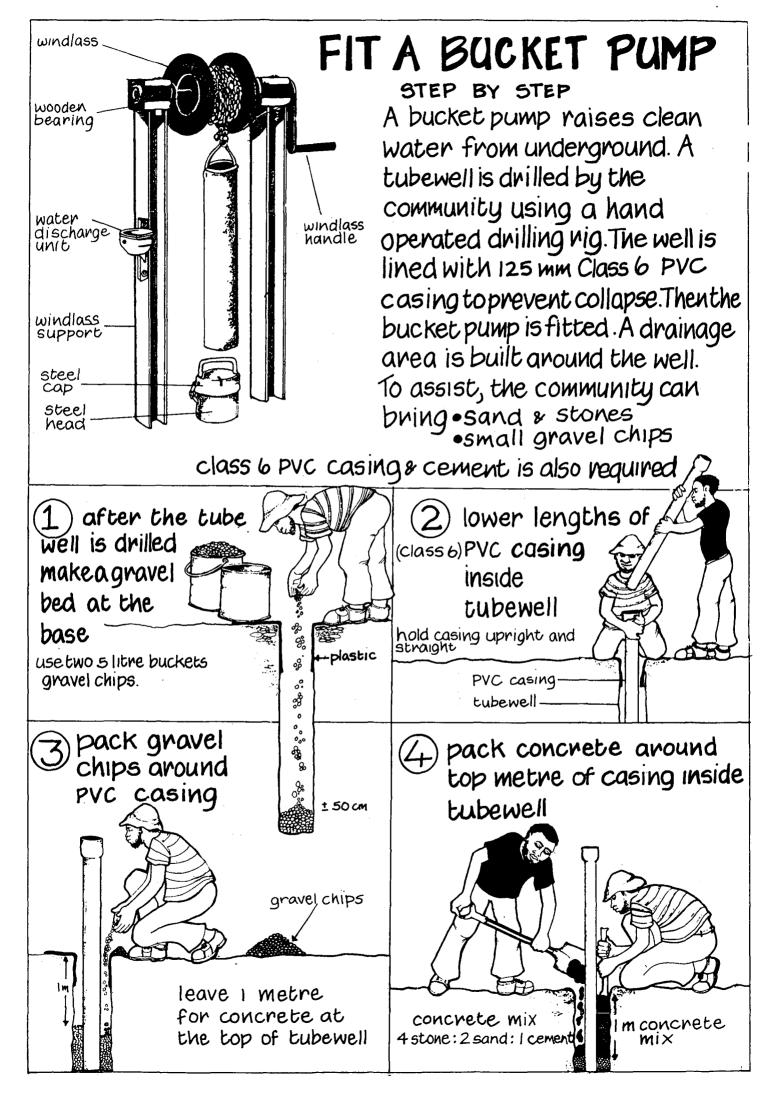


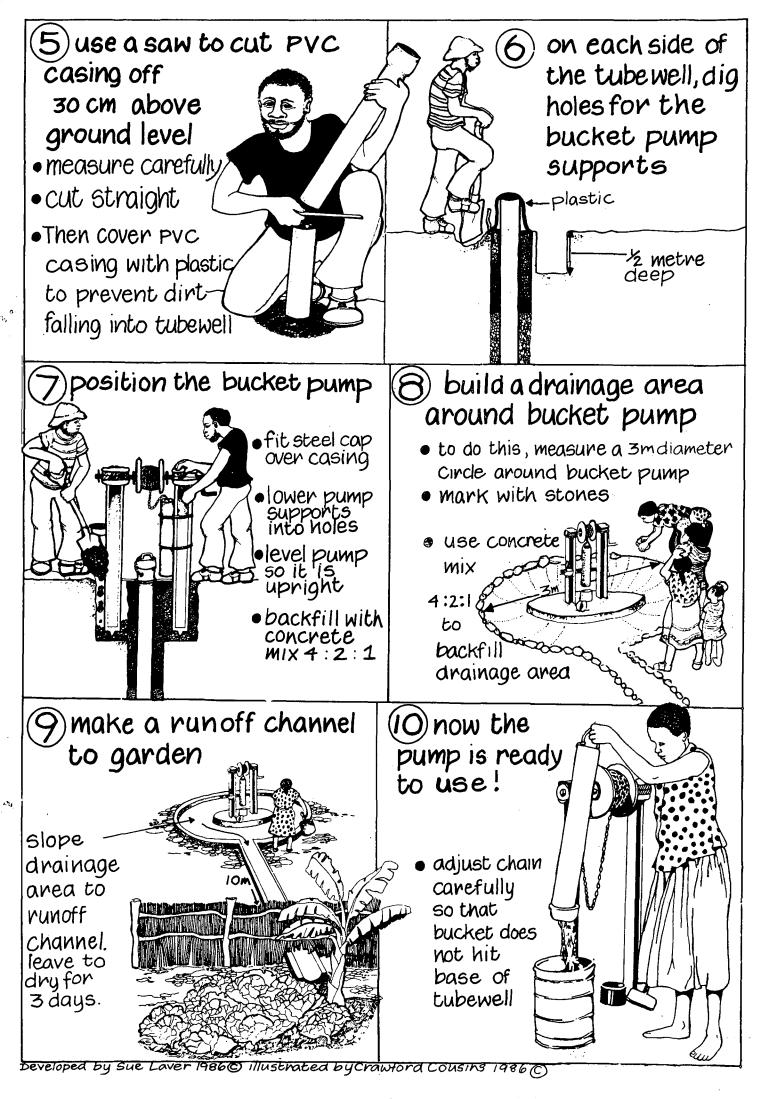
#### THE ZIMBABWE BUCKET PUMP



# Different materials are needed for fitting a bucket pump to a water supply

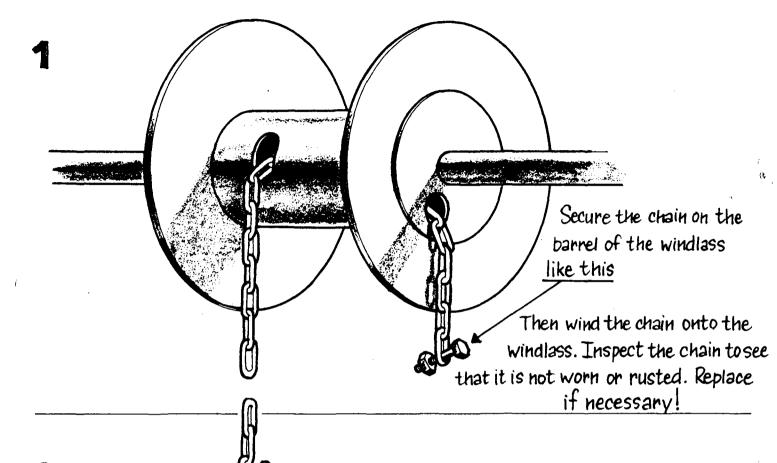






### **Extra information**

about maintaining and making minor repairs to the bucket pump.

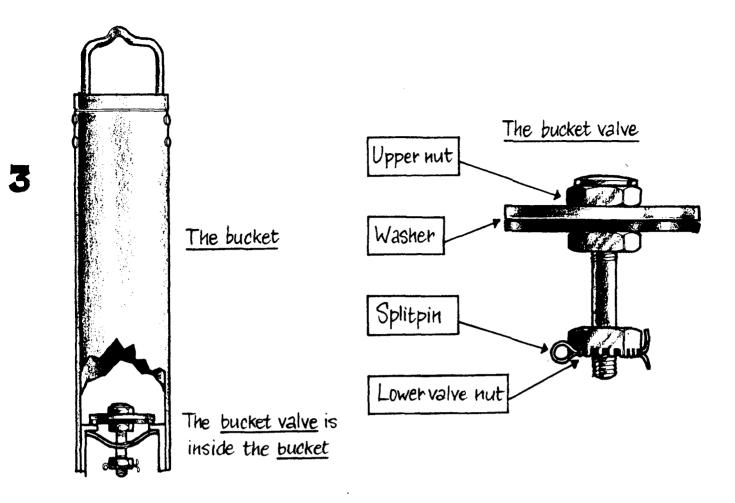


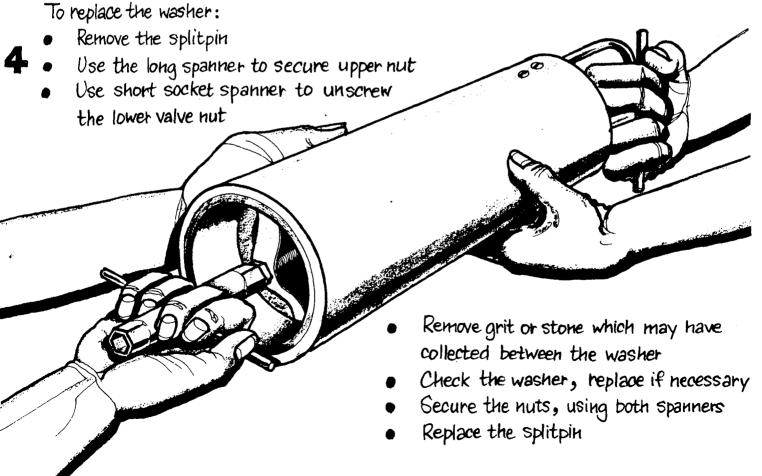
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Secure the chain to the bucket.

- · Use a nut and a bolt to dothis.
  - Wire can also be used forthis task if necessary

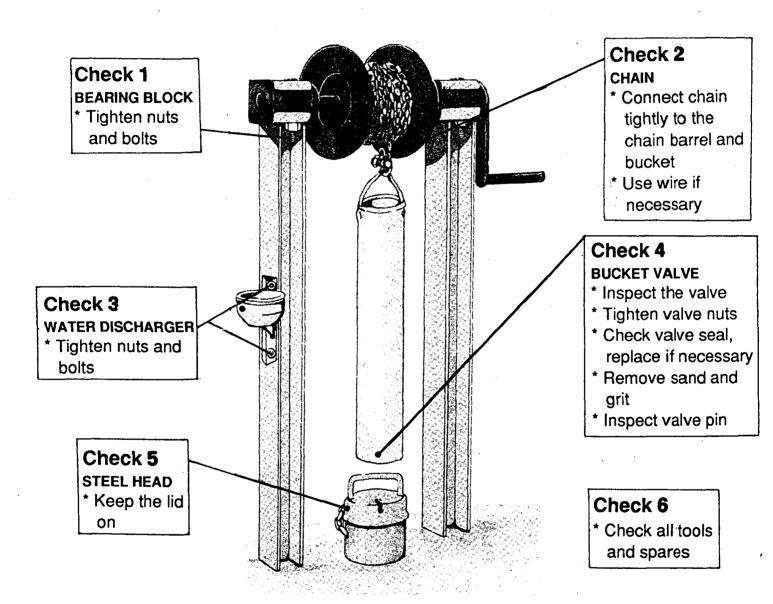
- Adjust the chain to prevent the bucket from hitting the base of the tubewell!
- Advise the people to take care when using the windlass.





# MAINTENANCE CARD THE BUCKET PUMP

CHECK.....all working parts regularly REPAIR.....the bucket pump carefully REPLACE.....parts when necessary



CHECK THIS PUMP EVERY WEEK
COMPLETE YOUR CHECK BOOK EVERY TIME
SEEK THE ASSISTANCE OF THE HEALTH
WORKER IN YOUR AREA IF PROBLEMS ARISE