

Text for Flipchart

232.2
81 TE

for use in the india mark II hand-pump
caretaker training programme



232.2/81 TE

TEXT FOR FLIPCHART FOR THE INDIA MARK II HAND-PUMP CARETAKER TRAINING PROGRAMME

This 'Text for Flipchart' contains the English text and drawings for the 'Master Flipchart' for the India Mark II hand-pump caretaker training programme.

Use this 'Text for Flipchart' as a model when you fill in the 'Master Flipchart'.

HOW TO USE THIS MODEL

First, translate the text contained on the following pages into the local language.

Then, using this 'Text for Flipchart' model as a guide, fill in your translated text page by page onto the 'Master Flipchart'.

Pages 12, 31 & 48 of this guide text consist of pages for 'Notes'. These notes comprise of important points for trainees to remember.

The Flipchart contains five Sections ;

Page 12 is for notes at the end of Section 1 ;

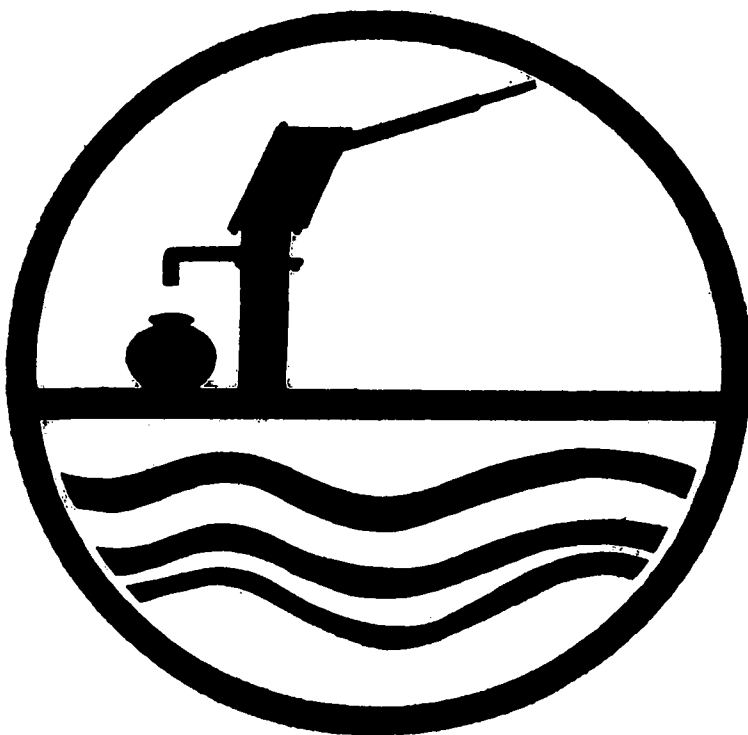
Page 31 is for notes at the end of Sections 2 & 3 ;

Page 48 is for notes at the end of Sections 4 & 5.

Translate and copy out the existing notes on these pages onto the 'Master Flipchart'. Also, use these pages to note any additional points you may wish to add to the various Sections.

Page 49 contains a short questionnaire, to be answered by the trainees at the end of their training programme. These questions should also be translated by you, and filled in on page 49 of the 'Master Flipchart', from which the trainees will copy them down. They will use pages 49 and 50 of their Flipcharts for the questions and their answers.

TEXT FOR FLIPCHART
FOR HAND-PUMP CARETAKER
TRAINING

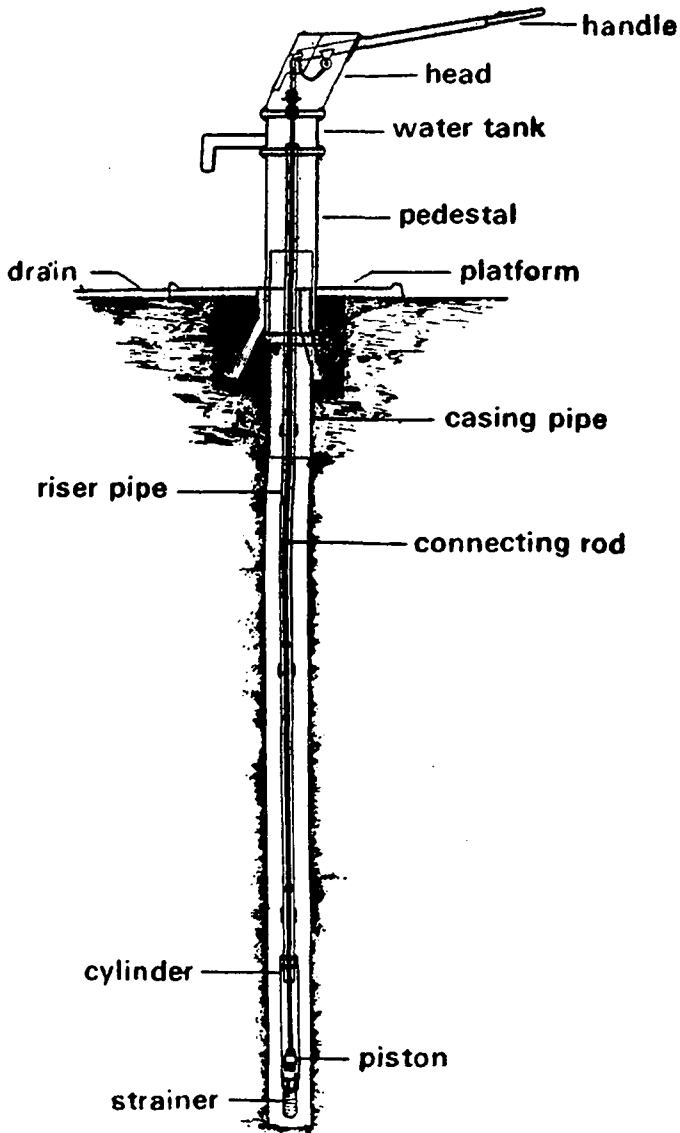


SECTION - 1

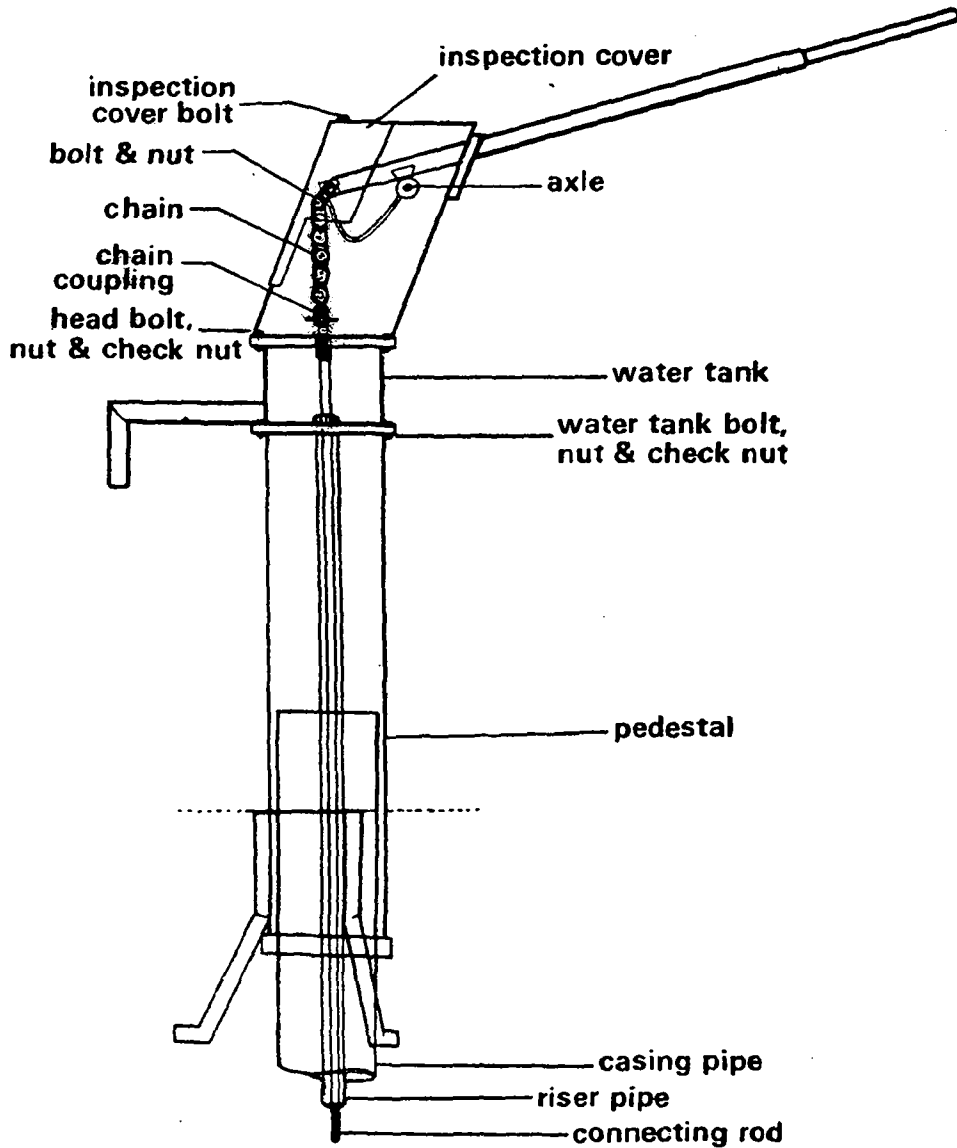
- **The INDIA MARK II hand-pump**
- **3-tier maintenance system**
- **duties of the caretaker.**



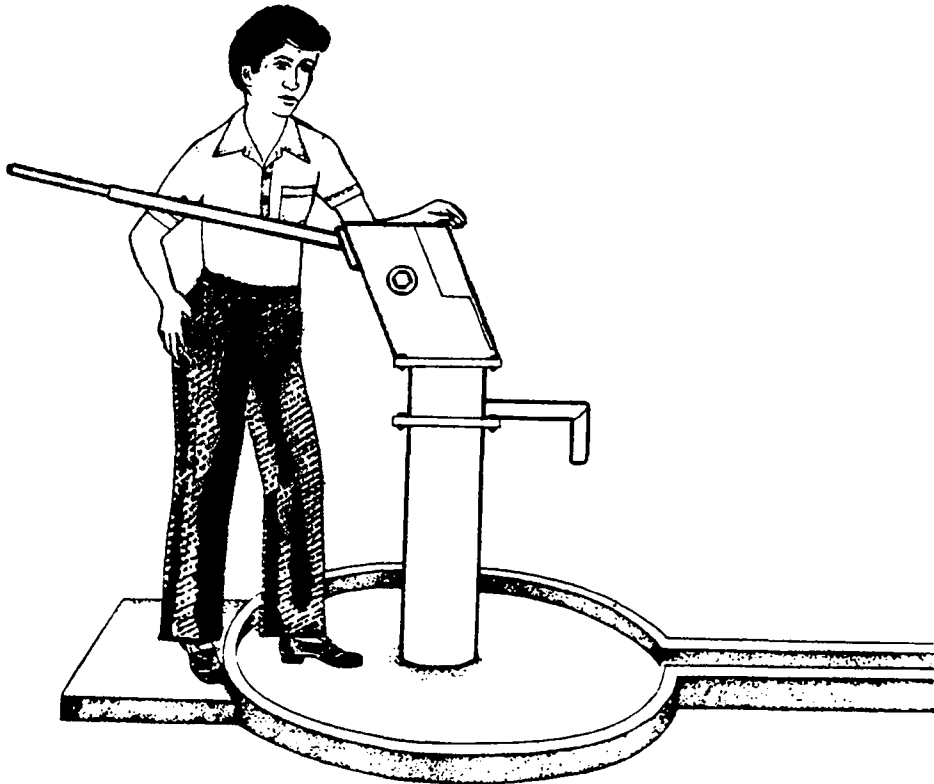
THE INDIA MARK II DEEP WELL HAND-PUMP



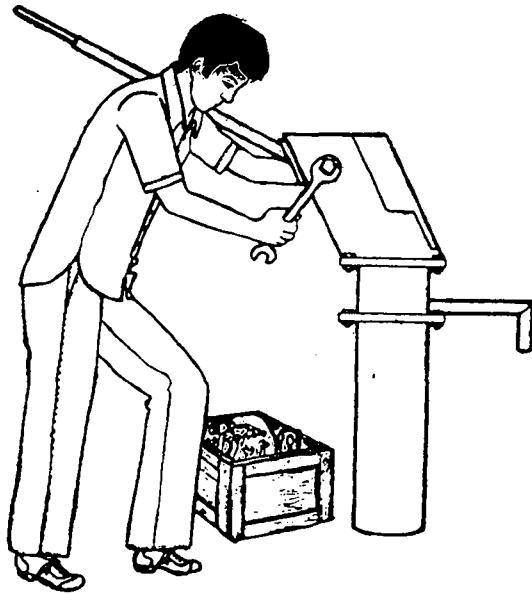
INDIA MARK II HAND-PUMP



THREE-TIER MAINTENANCE SYSTEM :

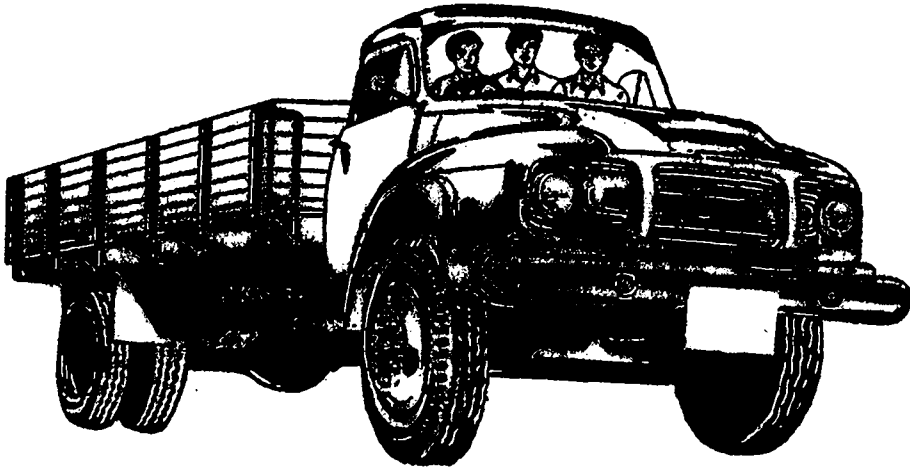


1. At village level the hand-pump caretaker reports if hand-pump needs repairs



**2. At block level
an inspector-
mechanic checks pumps
regularly**

3. At district level



**a mobile
maintenance
team
does
major repairs.**

DUTIES OF THE CARETAKER :

- 1. See that the
villagers
operate
the hand-pump
properly
so that
it will
have
a long life ...**



2. **Service
the hand-pump
once a week.**

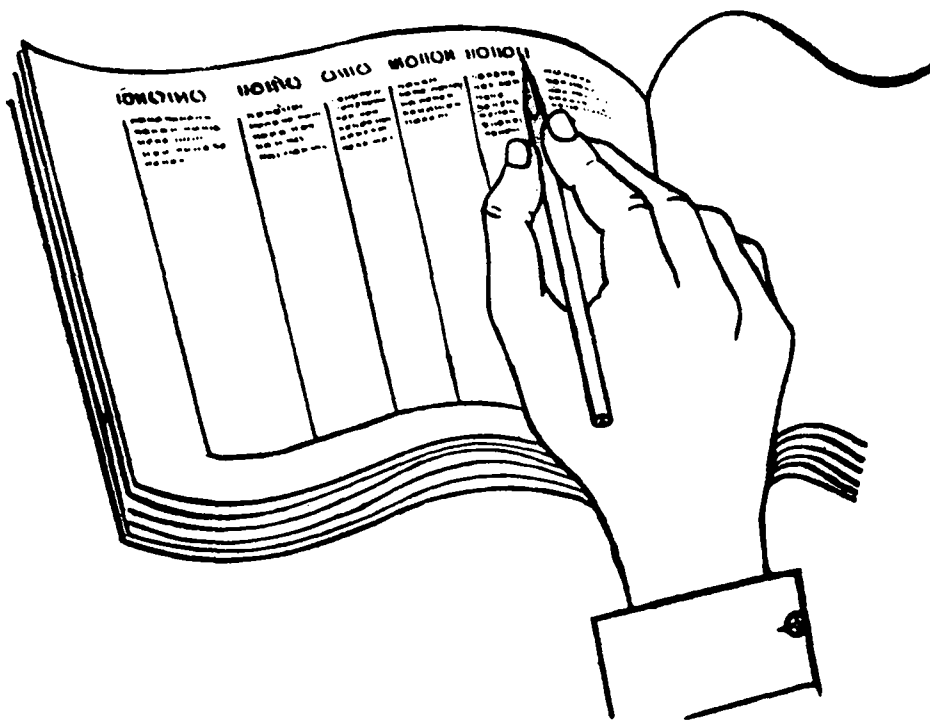
3. **Make sure
excess water
is
channelled
into
a garden
or
a soakage pit.**



**4. If the
hand-pump
breaks down,
report it to
the District
Engineer**



5. Maintain the hand-pump log-sheet.



NOTES

1. The **INDIA MARK-II** is a strong hand-pump. The caretaker has to provide it with
 - community care
 - clean surroundings
 - maintenance
2. Reproduce the hand-pump sign wherever possible in the village and explain its meaning.



SECTION-2

- Preventive maintenance**
- Defects**
- Reporting of defects**

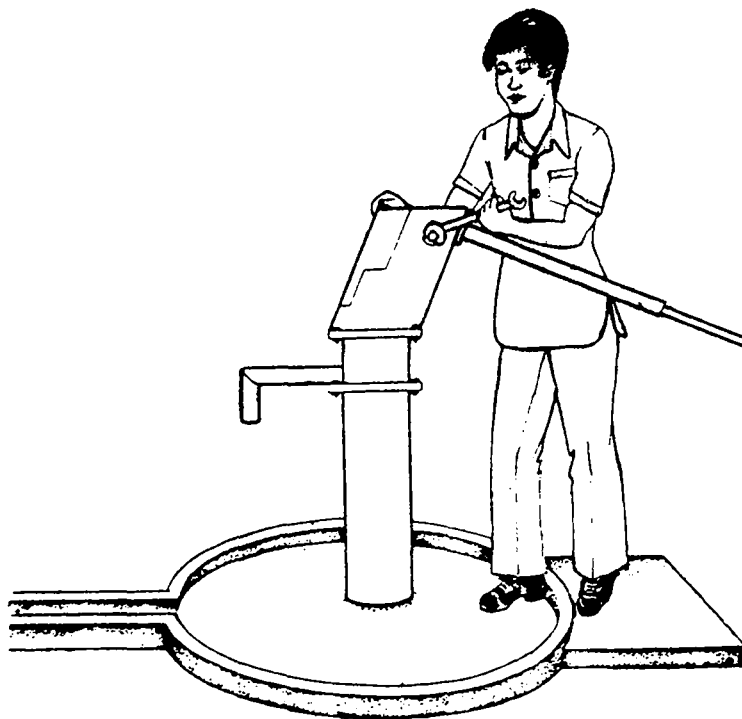


**TO KEEP
THE HAND-PUMP
IN GOOD WORKING
ORDER —
PREVENTIVE
MAINTENANCE
IS ESSENTIAL !**

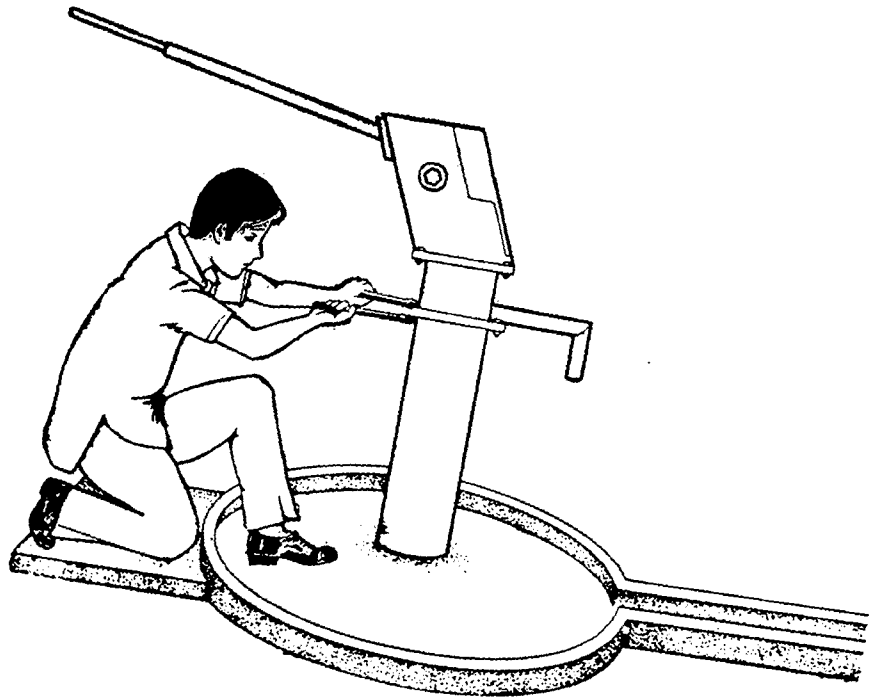
THEREFORE ...



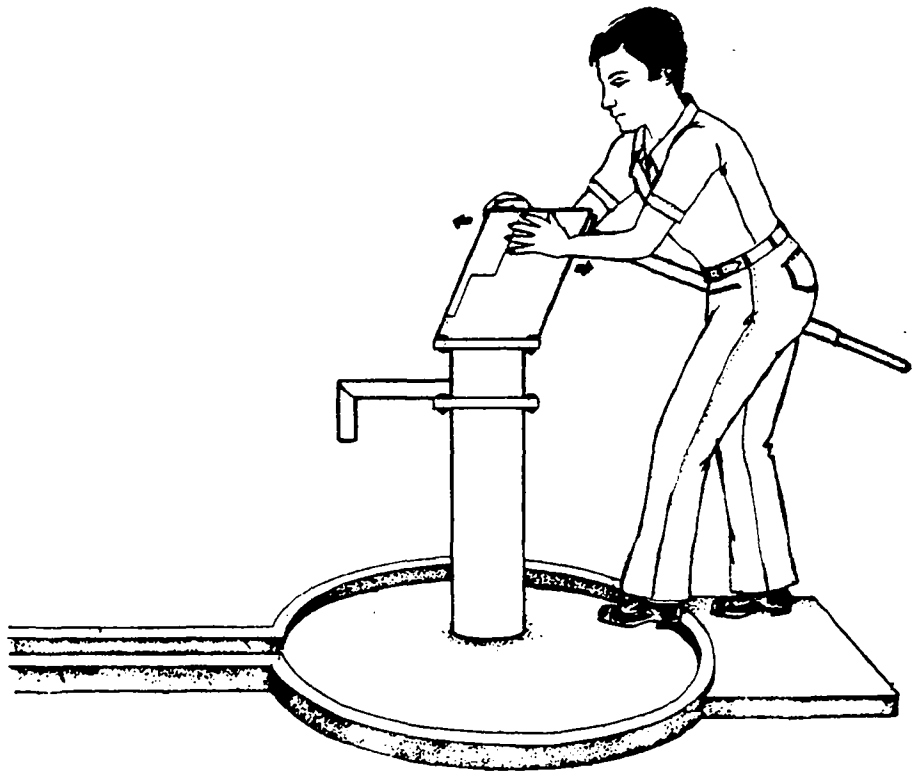
**ONCE A WEEK
CHECK
THE
FOLLOWING ...**



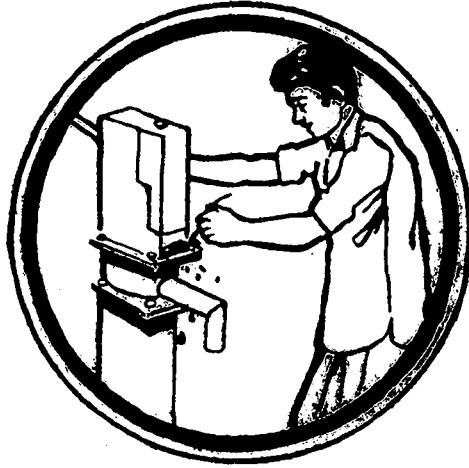
- 1. Are axle bolt
and
lock-nut tight ?**



**2. Are
flange-
bolts tight ?**



**3. Is the hand-pump
firm in its base ?**

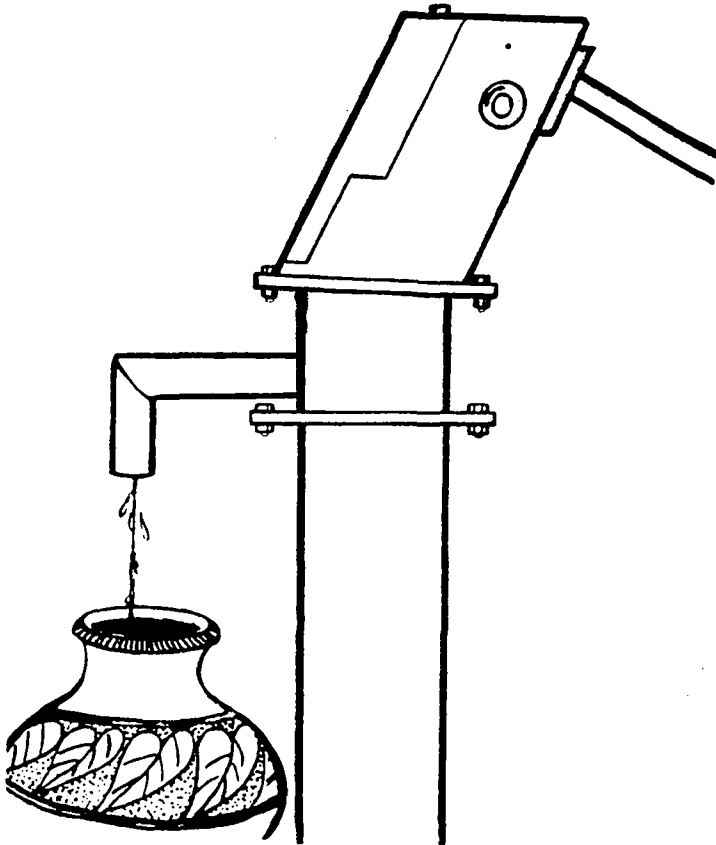


**4. Open
front cover.
Clean out
trash from
drain-hole
below this
inspection
cover.**

**LOOK OUT
FOR THE
FOLLOWING
DEFECTS...**



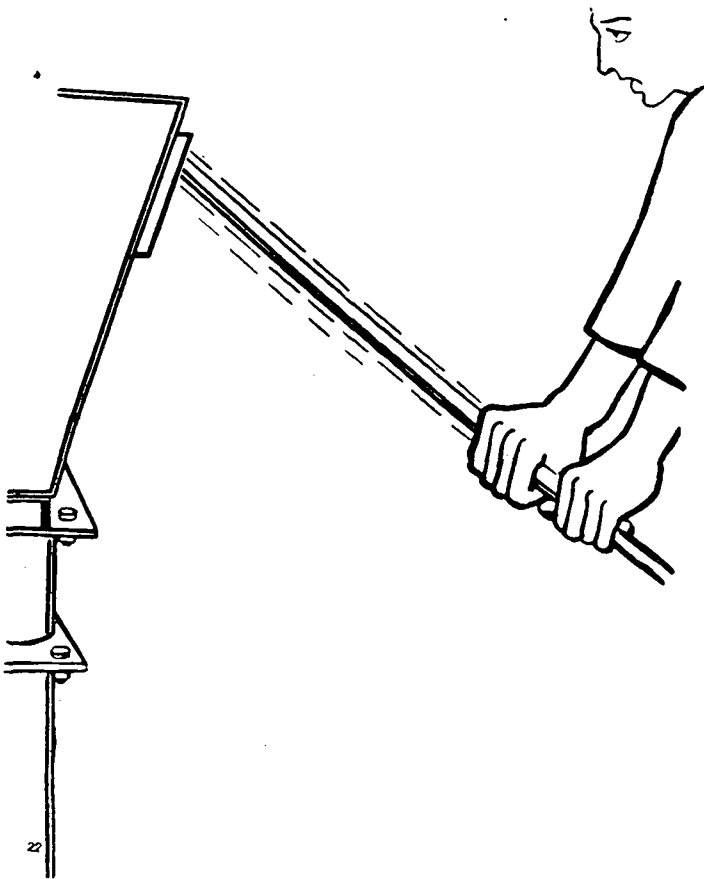
1. WEAK FLOW OR NO FLOW



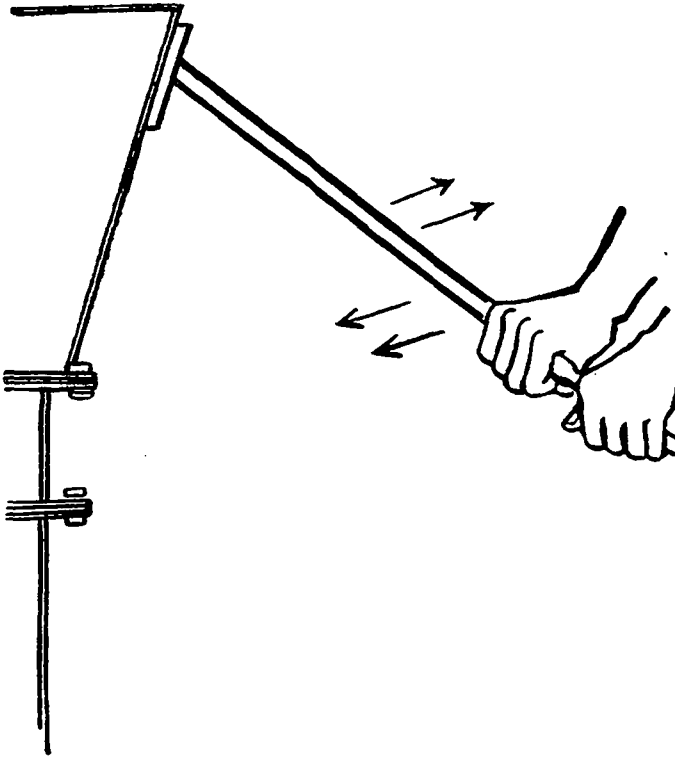
2. DELAYED FLOW

**(you have to
pump many
times before
water comes.)**

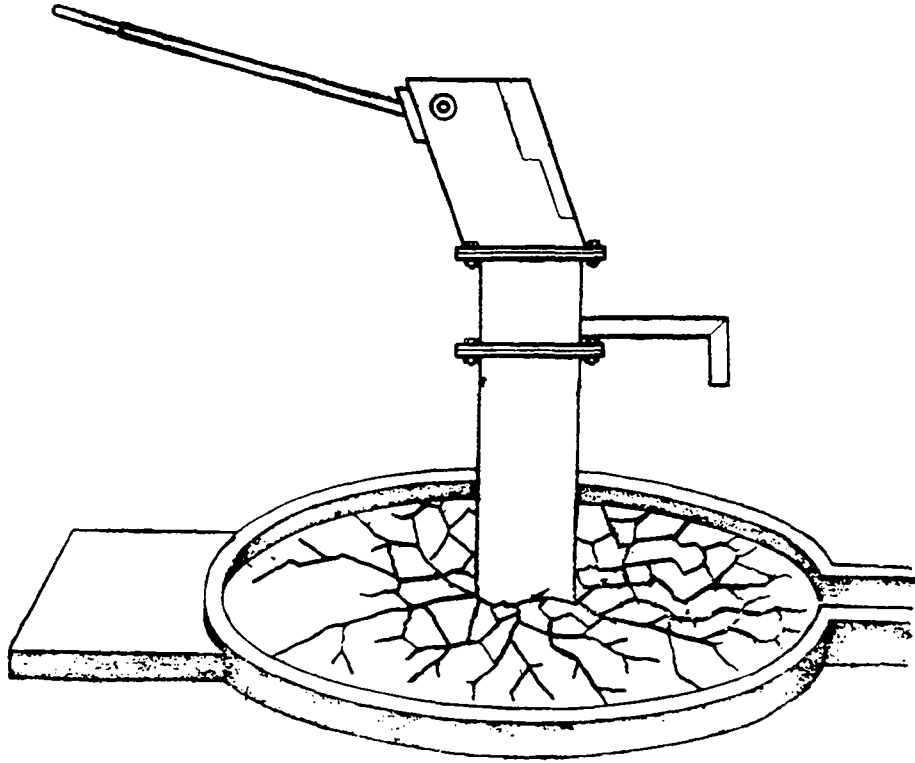




3. PUMPING DIFFICULT



4. HANDLE SHAKY



**5. HAND-PUMP
LOOSE IN ITS
FOUNDATION ...**

**If there is a defect,
fill in the card and
mail it to
the District Engineer**

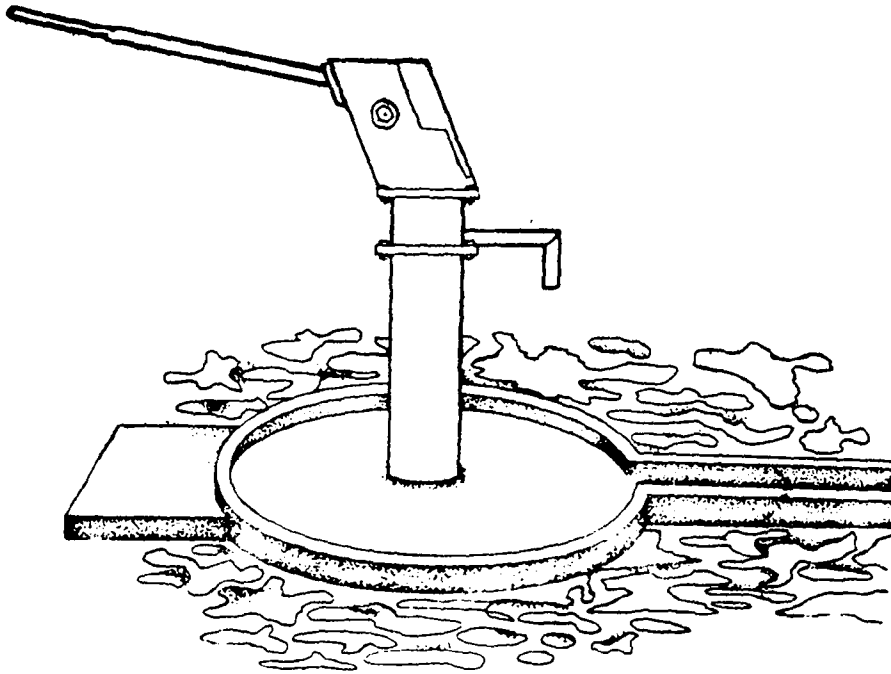
The image shows a tilted rectangular card with a black border. It contains four sets of horizontal lines, two on the left and two on the right, each consisting of four parallel lines. In the center, there are two dotted lines, one above and one below the horizontal lines. On the right side, there is a vertical column of seven rectangular boxes, each slightly larger than the one below it, arranged in a descending staircase pattern.

SECTION - 3

**CLEAN AND
HYGIENIC
HAND-PUMP
SURROUNDINGS
ARE
VERY IMPORTANT.**

**The caretaker
must therefore
ensure that . . .**

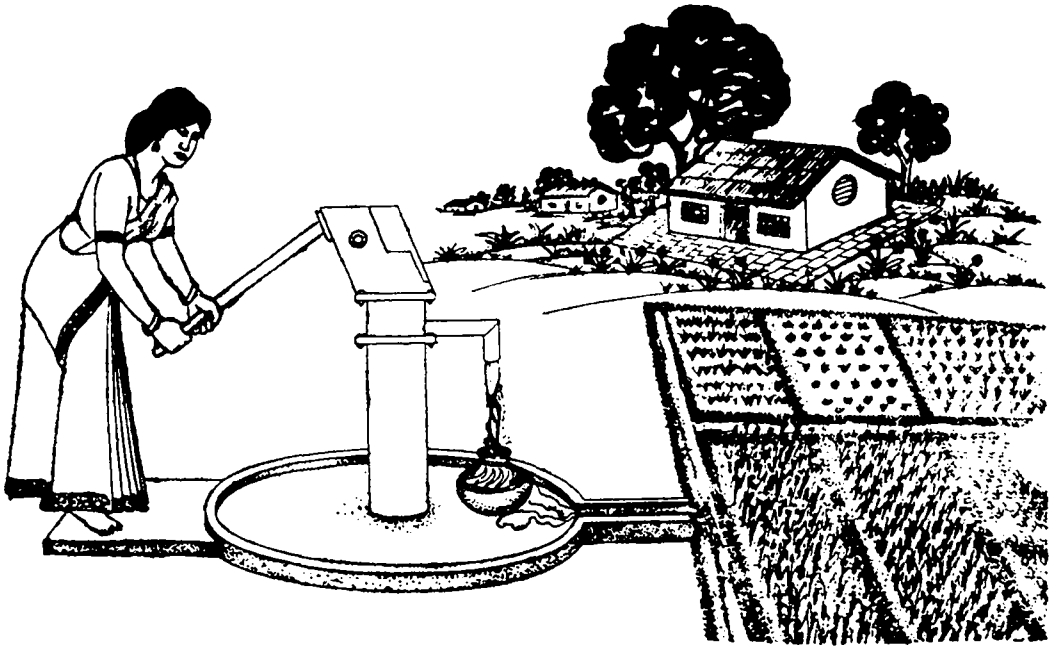


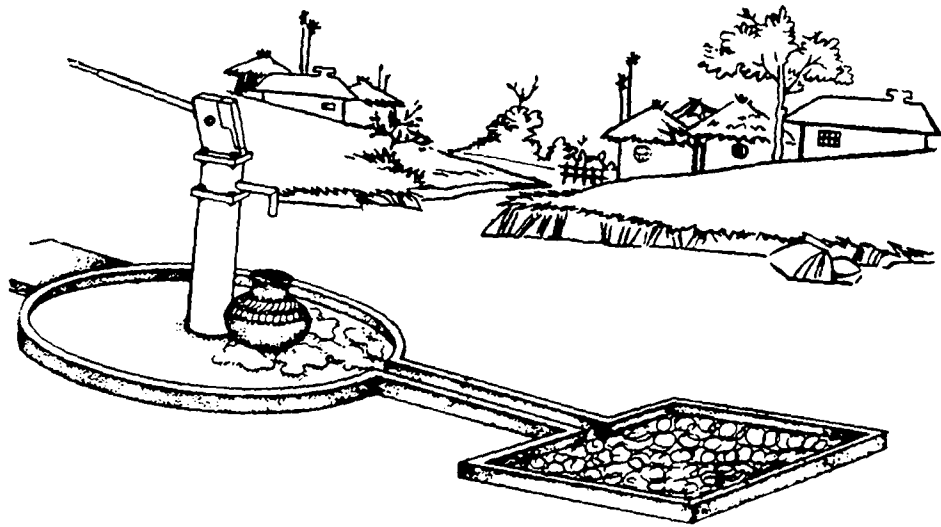


- 1. Excess water
does not
collect around
the hand-pump....**

2.

but
runs into
a garden





**3. or
a
soakage pit**

**4. Keep
the area
around
the hand-pump
clean
and free
of
refuse**



NOTES

1. Report hand-pump failure promptly.
2. 50 feet around the hand-pump to be kept dry and clean.
3. How to make a soakage pit :



SECTION-4

THE CARETAKER SHOULD EXPLAIN TO THE VILLAGERS...

- how to properly use
the hand-pump**
- how water and health
are related.**



EXPLAIN...



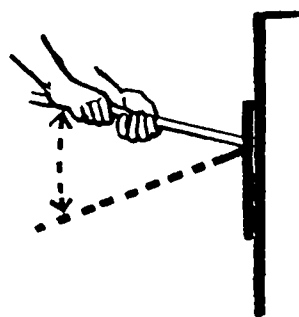
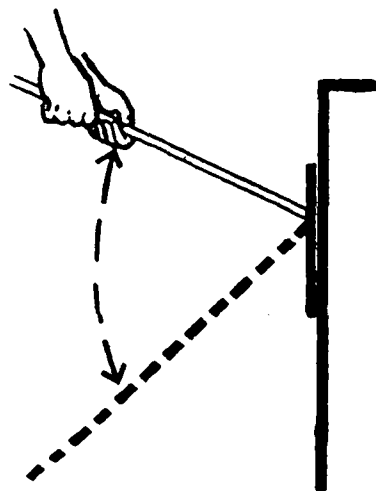
**how to stand
directly behind
the hand-pump**

and
to
use

LONG
strokes

not

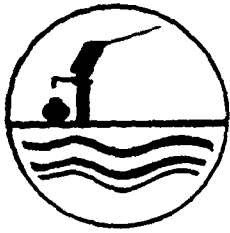
short
ones



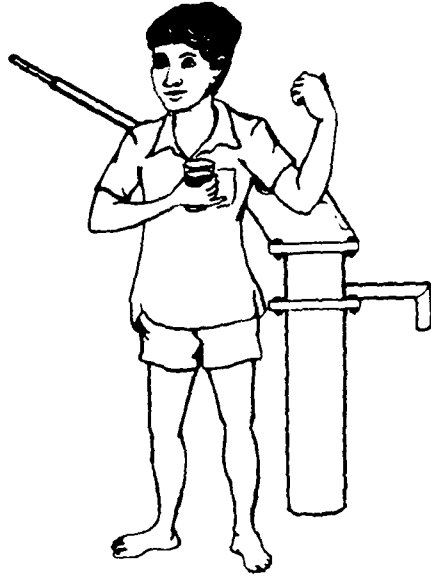
**EXPLAIN
THAT
GOOD HEALTH
BEGINS
WITH
GOOD WATER . . .**



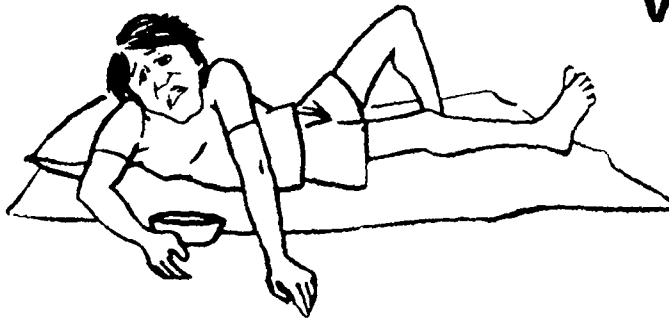
hand-pump water =



GOOD
health



unprotected
water =



sickness



PROTECTED
SOURCE :

**water from a
hand-pump is pure
and safe
to drink.**

UNPROTECTED SOURCE :

water
from
an
unprotected
source
may
make
you
sick



step well



pond



river

**If people drink
contaminated water,
they risk getting
these diseases :**

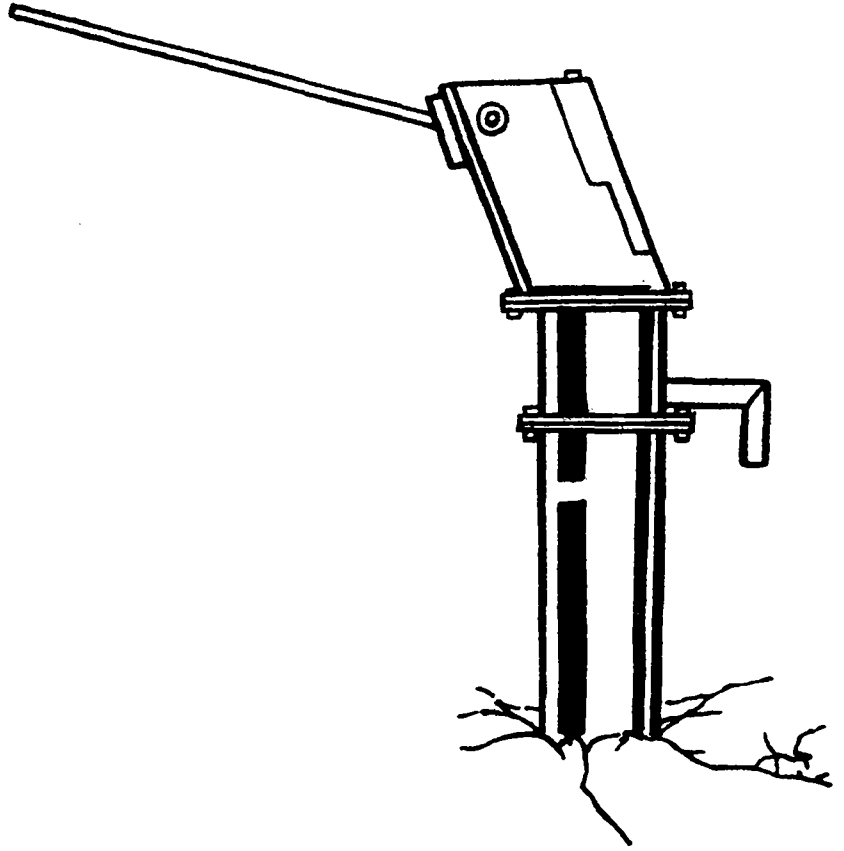
- diarrhoea**
- dysentery**
- hepatitis**
- cholera**
- typhoid**
- worms**

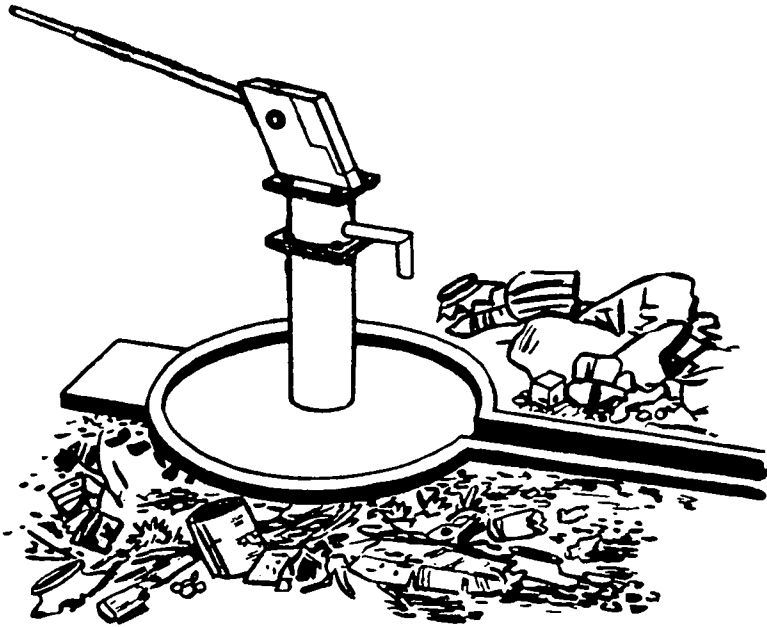


HOWEVER
note that the
hand-pump itself
can
also
be a source
of disease
if . . .



**... the
base is
cracked
or loose
(dirty
water
may run
back into the well.)**





If the area around a hand-pump is not clean, it can contaminate the water below

SECTION - 5

HOW WATER
IS COLLECTED AND
STORED IS ALSO
IMPORTANT !



**explain
to families**



**that
they
should
wash
the
insides**

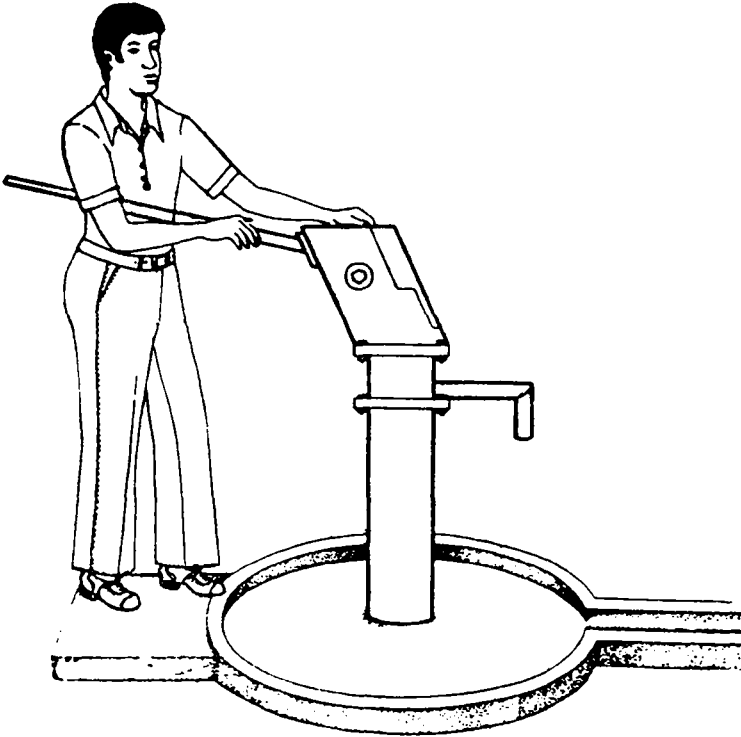
**of vessels
before filling them
with clean water.**



**At home
they should keep
water containers
covered.**

THE CARETAKER is a

V. I. P.



**By doing their duties,
the caretakers provide
their people with a
safe, clean, continuous
drinking water supply**

SAMPLE OF HAND-PUMP LOG SHEET

VILLAGE
 PANCHAYAT
 BLOCK
 DISTRICT

PUMP No:
 DEPTH OF BORE:
 WATER LEVEL.
 DATE OF INSTALLATION.
 YIELD:

DETAILS OF REPAIRS	DATE OF REPAIR	DATE OF INTI-MATI-ON	NAME OF MECHANIC	REPAIR ATTEN-DED DATE	DETAILS OF REPAIRS ATTENDED	DETAILS OF SPARES USED	REMARKS

NOTES

1. The hand-pump site should always be in good condition.
2. Drinking water should be stored in clean and covered vessels.



QUESTIONNAIRE

1. List 5 duties of the caretaker.
2. How can you help to prevent hand-pump failure ?
3. What should a hand-pump site look like ?
4. How will you use this notebook ?







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