

MUSICAL INSTRUMENTS

from

RUBBISH

AND CHEAP MATERIALS

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FART TRUMPET (CONTINUED)

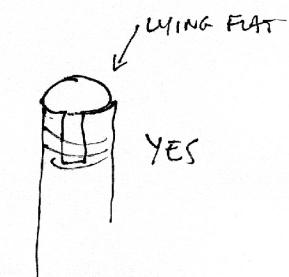
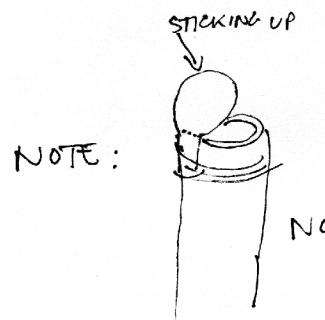


IF NECESSARY, NEATEN THE CIRCULAR FLAP
WITH SCISSORS, SO THAT IT FITS EXACTLY
OVER THE END OF THE TUBE.



PUT THE FLAPPED END RIGHT INTO
YOUR MOUTH; DO NOT TOUCH
THE FLAP WITH YOUR TONGUE

BLOW HARD FROM YOUR DIAPHRAGM
FOR VERY LOUD NOISE



NOTE:

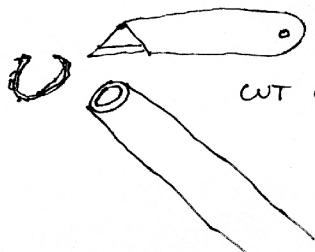
THIS WON'T WORK UNLESS THE FLAP IS
ALMOST FLAT ON THE TOP OF THE TUBE, AND
EXACTLY COVERING IT.

MAY TAKE SOME PRACTICE, BUT A GOOD SOUND
WHEN YOU GET THE KNACK.

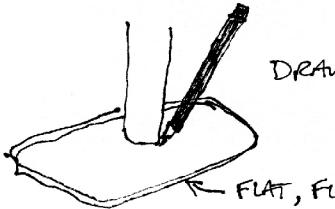
'FART' TRUMPETS

YOU CAN USE ANY PLASTIC PIPE (PLUMBING PIPE
OR HOSEPIPE IS GOOD) NOT TOO LONG - ABOUT
50 cm WORKS WELL.

THE END MUST BE SMOOTH AND FLAT



CUT OFF BURRS WITH A SHARP
KNIFE (CAREFUL!)

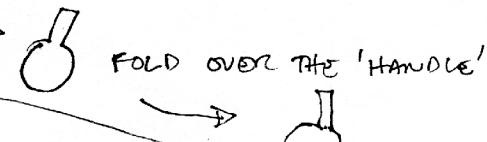


DRAW CAREFULLY ROUND THE END OF YOUR
PIPE
USING A THIN PERMANENT MARKER

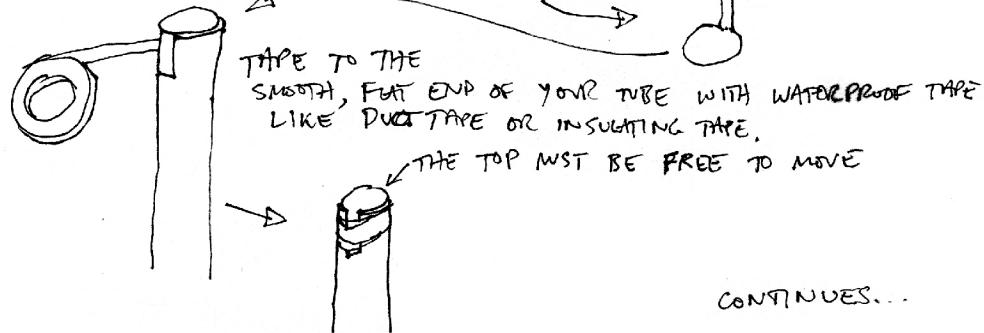
FLAT, FLEXIBLE, THIN PLASTIC SHEET - E.G.
MARGARINE TUB LID OR PLASTIC FLOWER.



DRAW A 'HANDLE' ONTO THE CIRCLE
AND CUT OUT ACCURATELY WITH SCISSORS



FOLD OVER THE 'HANDLE'

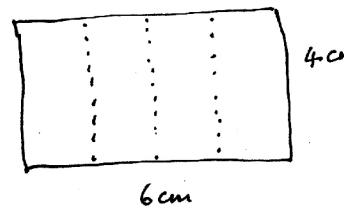


TAPE TO THE
SMOOTH, FLAT END OF YOUR PIPE WITH WATERPROOF TAPE
LIKE DUCT TAPE OR INSULATING TAPE.

THE TOP MUST BE FREE TO MOVE

CONTINUES...

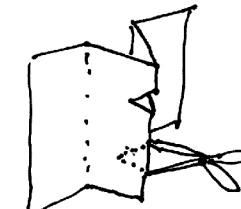
PAPER SQUEAKER



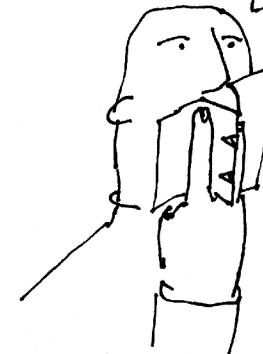
CUT A SMALL RECTANGLE OF
COPIER OR OTHER PAPER



FOLD INTO A SHARP RIDGE



CUT OUT TWO TRIANGLES
NEATLY.



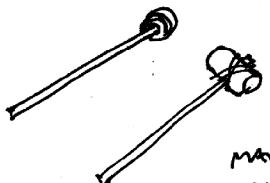
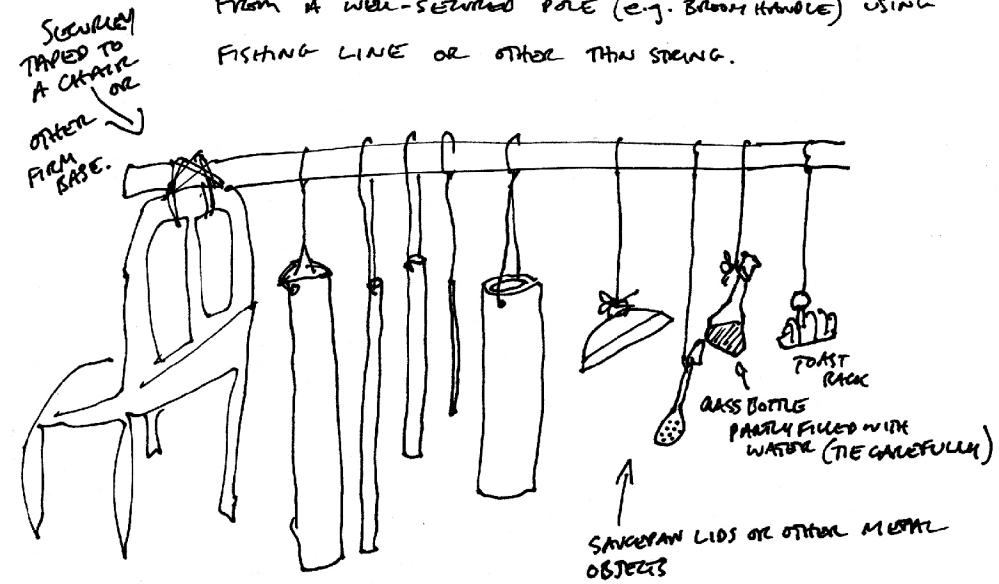
HOLD BETWEEN TWO FINGERS,
AND BLOW HARD FOR
SHRIEK SQUEAK (LIKE
SOUND FROM BLOWING GRASS
HELD BETWEEN THUMBS).

TUBULAR Bells

CUT VARIOUS LENGTHS OF METAL TUBE WITH A HACKSAW

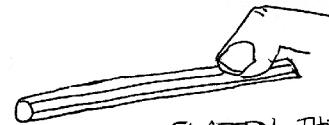
- TRY COPPER PLUMBING PIPE, STEEL OR ALUMINUM TENT POLES, SCAFFOLDING TUBE (TAKES A LOT OF CUTTING) OR 'CHIMES' FROM UNWANTED GARDEN WIND CHIMES. SAND DOWN SHARP EDGES.

DRILL HOLES THROUGH TOPS OF THE PIPES AND SUSPEND FROM A WELL-SECURED POLE (E.G. BROOM HANDLE) USING FISHING LINE OR OTHER THIN STRING.



MAKE BEATERS FROM
MASKING TAPE ROLLED AROUND THE END
OF A PEN-STICK OR PENCIL.
A CORK MAKES A GOOD HAMMER.

DRINKING STRAW OBOE



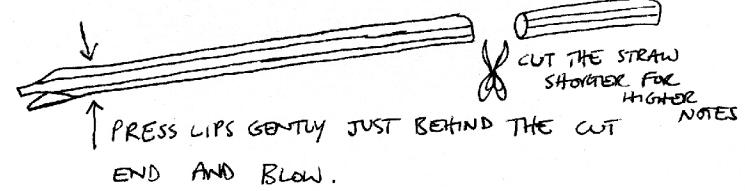
FLATTEN THE END OF A PLASTIC DRINKING STRAW, USING YOUR THUMB NAIL.

LARGER DIAMETER STRAWS (LIKE MCDONALD'S) WORK BEST.

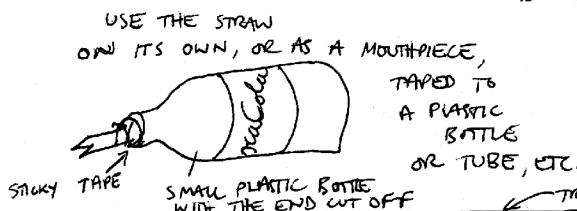


CUT THE FLATTENED END TO A LONG POINT WITH SCISSORS.

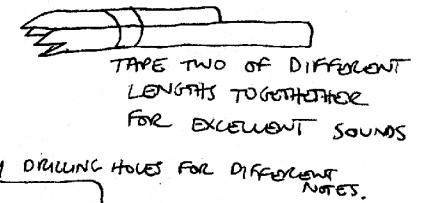
SNIP OFF THE POINTED ENDS FOR SAFETY



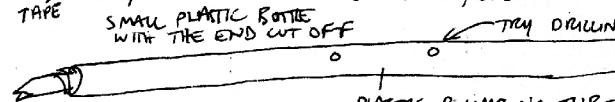
PRESS LIPS GENTLY JUST BEHIND THE CUT END AND BLOW.



USE THE STRAW ON ITS OWN, OR AS A MOUTHPIECE,
TAPE TO A PLASTIC BOTTLE OR TUBE, ETC.

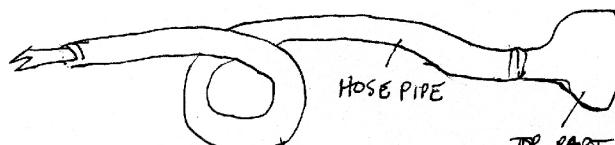


TAPE TWO OF DIFFERENT LENGTHS TOGETHER FOR EXCELLENT SOUNDS



TRY DRILLING HOLES FOR DIFFERENT NOTES.

PLASTIC PLUMBING TUBE (OVERFLOW PIPE IS CHEAPEST)



WITH LONG TUBES, YOU CAN PLAY HIGH OR LOW NOTES BY ALTERING YOUR LIP PRESSURE ON THE STRAW.

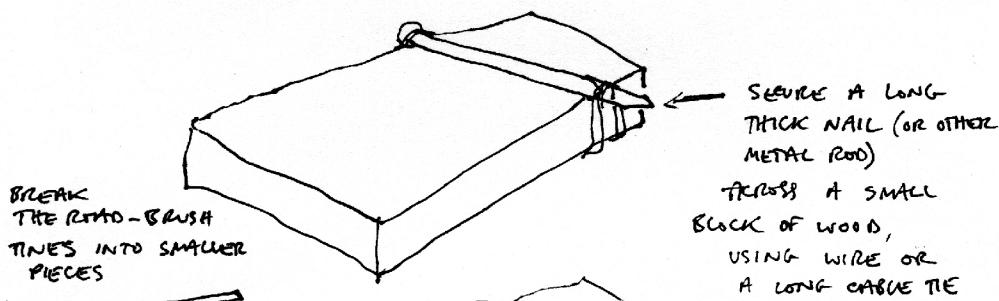
TOP PART OF PLASTIC DRINK BOTTLE

THUMB PIANO (BEDWELL TYPE)

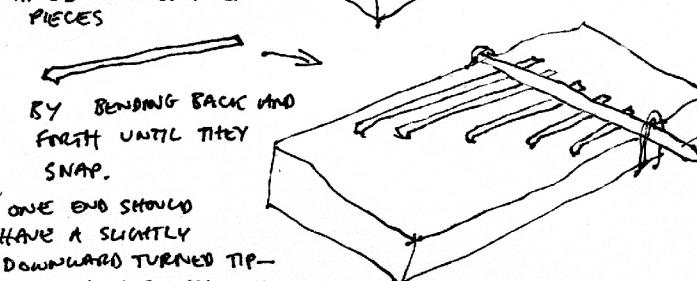
YOU NEED TO FIND METAL TINES FROM ROADSWEEPING TRUCKS: COMMON IN THE GUTTERS, THEY ARE USUALLY RUSTY BUT SPRINGY

ACTUAL SIZE ↗

(OR POSSIBLY USE BICYCLE SPOKES HAMMERED FLAT)



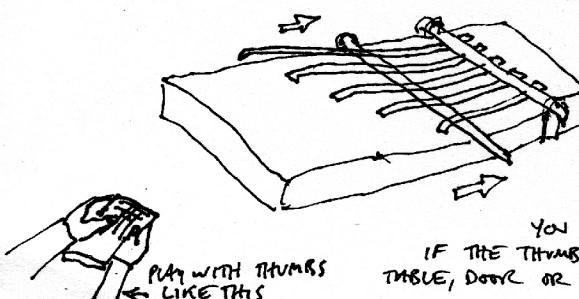
SOURCE A LONG THICK NAIL (OR OTHER METAL ROD) ACROSS A SMALL BLOCK OF WOOD, USING WIRE OR A LONG CLOTHIE TIE



BREAK THE RUST-BRUSH TINES INTO SMALLER PIECES
BY BENDING BACK AND FORTH UNTIL THEY SNAP.

(ONE END SHOULD HAVE A SLIGHTLY DOWNWARD TURNED TIP—THIS SHOULD BE THE PART YOU PLAY)

PUSH THE PIECES OF METAL UNDER THE NAIL



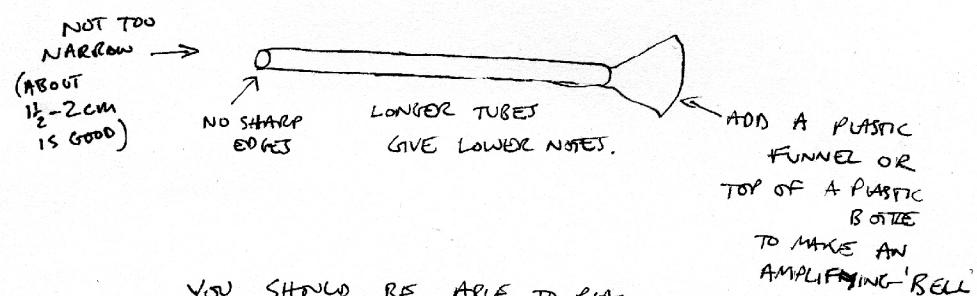
PUSH A SECOND NAIL UNDER THE METAL 'KEYS' FIRMLY, UNTIL THEY SOUND CLEAR NOTES WHICH 'PINGED' WITH YOUR THUMB.

PLAY WITH THUMBS LIKE THIS
IF THE THUMB PIANO IS HELD TIGHTLY TO A TABLE, DOOR OR EMPTY BOX,

'BRASS' TYPE INSTRUMENTS

PLASTIC OR COPPER PLUMBING TUBE CAN BE PLAYED LIKE A TRUMPET, BUT MAKE SURE THE END IS SMOOTH—USE FINE SANDPAPER AFTER CUTTING.

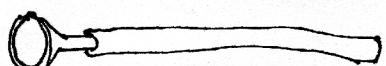
PRACTICE BLOWING 'RASPBERRIES' WITH YOUR LIPS PRESSED TOGETHER, THEN TRY WITH TUBE. TRY NOT TO PUFF OUT YOUR CHEEKS.



YOU SHOULD BE ABLE TO PLAY SEVERAL NOTES BY TIGHTENING AND LOOSENING YOUR LIPS
— GOOD FOR FANFARES, BUGLE CALLS, "THE LAST POST" ETC.

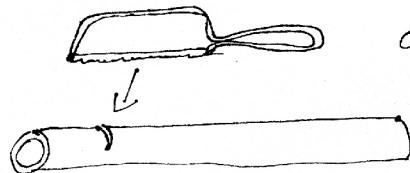
A VERY SMALL PLASTIC FUNNEL MAKES A GOOD MOUTHPIECE IF YOU HAVE ONE: THEN YOU

CAN PLAY NARROWER TUBES (LIKE HOSE PIPE ETC.)

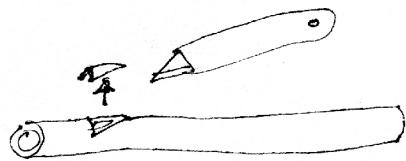


PLAY WITH THUMBS LIKE THIS

WHISTLE / RECORDER

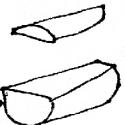


CUT $\frac{1}{4}$ THROUGH PLASTIC PLUMBING TUBE WITH A JUNIOR HACKSAW

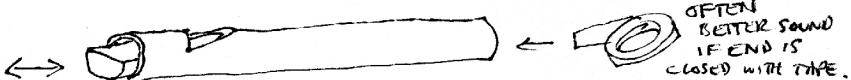


CUT OUT DIAGONAL NOTCH WITH SHARP KNIFE

USE A CORK OR TIGHT-FITTING PIECE OF WOODEN DOWEL:



CUT OR SANDPAPER AN OBLIQUE SLICE FROM THE TOP OF THE CORK OR DOWEL AND PUSH INTO THE END OF THE TUBE, SO THAT IT JUST REACHES THE SAW CUT.



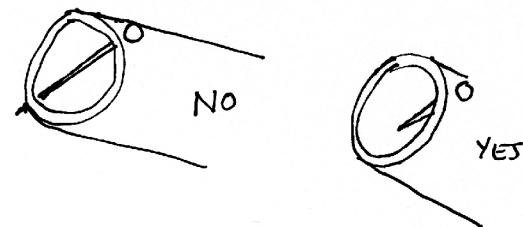
ADJUST BACK AND FORTH FOR BEST SOUND, THEN CUT OFF FUSH WITH END OF TUBE, GIVING IF NECESSARY.

YOU MAY NEED TO TRY DIFFERENT LENGTHS OF TUBE, DEPTH OF SAW CUT AND ANGLE OF SLICE OR FIPPLE TO GET THIS TO WORK. A VERY SHORT TUBE WITH CLOSED END IS GOOD FOR A WHISTLE, OR A LONGER, OPEN TUBE, WITH DRILLED FINGER-HOLES FOR A RECORDER (BLOW GENTLY)

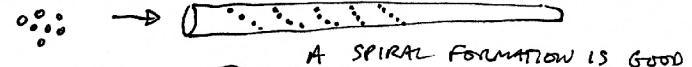
CARDBOARD RAIN STICK

GET A NARROW BUT STRONG CARDBOARD TUBE - THE TYPE IN THE CENTRE OF ROLLS OF CLOTH IS IDEAL, AND IS OFTEN THROWN OUT AT CLOTH SHOPS.

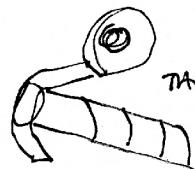
YOU NEED NAILS THAT HAVE HEADS, ARE THIN, AND LONG, BUT THAT DO NOT GO RIGHT THOUGH THE TUBE AND TOUCH THE OPPOSITE SIDE:



PUT IN HARD BEADS OR GRAVEL



HAMMER IN PLENTY OF NAILS
A SPIRAL FORMATION IS GOOD



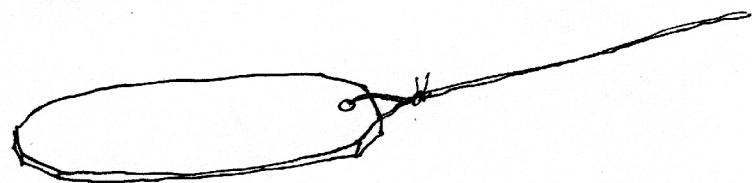
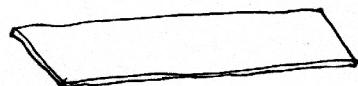
TAPE TIN LIDS OR BITS OF CARDBOARD OVER THE ENDS AND TAPE FIRMLY OVER THE NAIL HEADS.

TIP UP + DOWN FOR RAIN SOUND

BULL ROTTER

CUT RECTANGULAR SHAPES FROM FLAT, HEAVY MATERIALS
LIKE THIN MDF SHEET, PLYWOOD, ACRYLIC/PLEXIGLASS ETC.

- SEE WHAT MAKES THE
BEST SOUND.

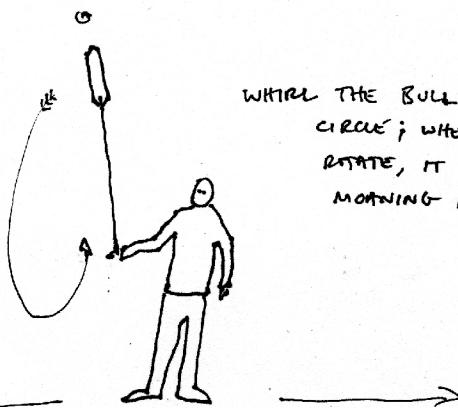


REMOVE CORNERS AND SAND SMOOTH.

DRILL A HOLE IN ONE END.

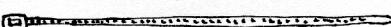
TIE ON ABOUT 1M OF VERY STRONG CORD,
USING A GOOD KNOT.

TIE A LOOP FOR YOUR WRIST IN THE OTHER END
OF THE CORD.



MAKE SURE YOU STAND WELL CLEAR OF OTHER
PEOPLE, AND KEEP THE CORD LOOP ROUND YOUR WRIST
FOR SAFETY.

PLASTIC CABLE TIES



BUBBLE-BATH BOTTLE BANJO

N.B. YOU MUST USE A STRONG PLASTIC BOTTLE OR THE
PRESSURES OF THE TIGHT STRINGS WILL MAKE IT COLLAPSE.
A THIN WOODEN BOX WOULD ALSO BE GOOD.

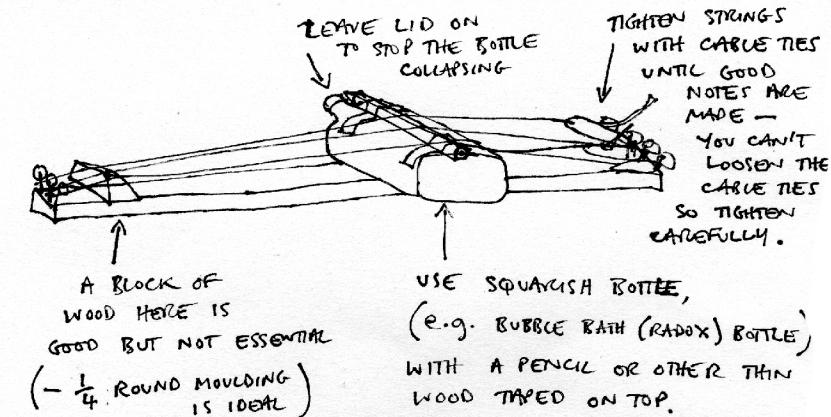
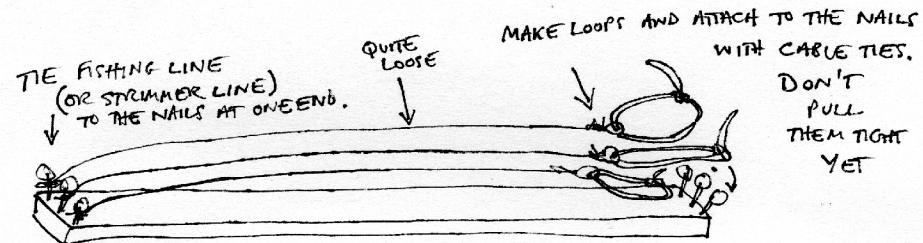
TOP



HAMMER IN
LARGE-HEADED
FENCING NAILS
(CLOUTS)
BOTH ENDS

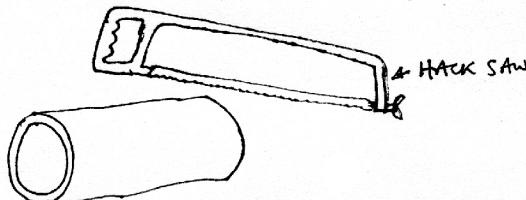
PIECE OF WOOD, NOT TOO THIN

- A FLOORBOARD IS GOOD AND GIVES ROOM FOR MORE
STRINGS



N.B. TIN CANS OF VARIOUS SIZES, AND
LARGE PLASTIC WATER BOTTLES
MAKE EXCELLENT DRUMS.

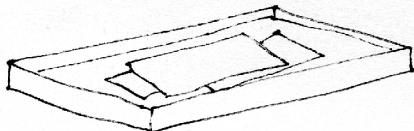
DRUMS



CUT SHORT LENGTHS FROM THICK CARDBOARD TUBE

FROM CARPET SHOP, OR BIG PLASTIC HEAVY-DUTY
WATER MAINS/GAS MAINS/SEWER PIPE/DRAIN PIPE, ETC.
TRY DIFFERENT LENGTHS FOR DIFFERENT SOUNDS.

MIX P.V.A. GLUE WITH A BIT OF WATER, AND SOAK
CHAMOIS LEATHER OR THICK PAPER (several sheets)



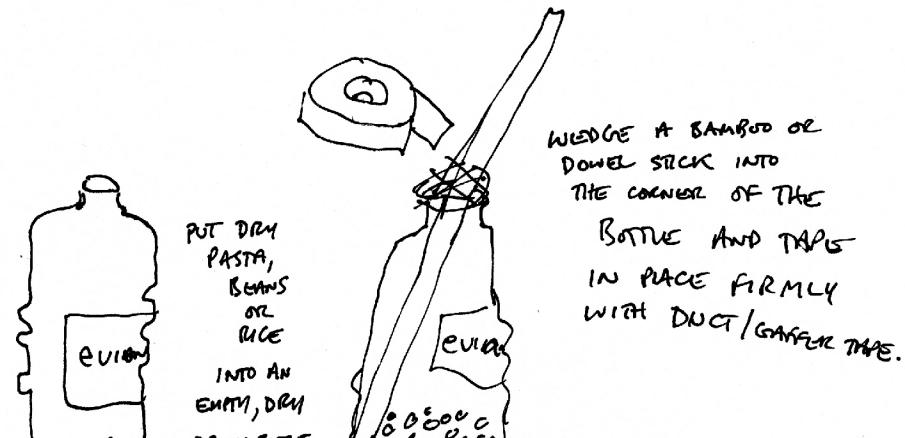
PULL THE GUEY LEATHER OR SHEETS OF PAPER
TIGHTLY DOWN OVER THE PIECE OF TUBE
AND TIE ON VERY TIGHTLY WITH STRING.

- ② ALLOW TO DRY IN SUN OR ON RADIATOR.
PULL THE LEATHER OR PAPER DOWN A
FEW TIMES AS IT DRIES TO MAKE SURE IT
IS AS TIGHT AS POSSIBLE.
DON'T TRY TO PLAY IT UNTIL TOTALLY HARD + DRY.

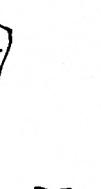


YOU CAN MAKE A GOOD BEATER WITH A BALL OF
'FAST GRAB' ADHESIVE (e.g. 'NO MORE NAILS', 'PINK GRIP' etc.)
ON THE END OF A STICK.

MARRACAS



PUT DRY
PASTA,
BEANS
OR
RICE
INTO AN
EMPTY, DRY
DRINK BOTTLE.



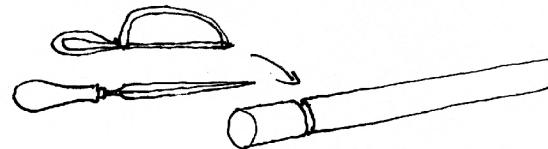
DECORATE

WEDGE A BAMBOO OR
DOWEL STICK INTO
THE CORNER OF THE
BOTTLE AND TAPE
IN PLACE FIRMLY
WITH DUCT/Gaffer TAPE.

TWIRLER

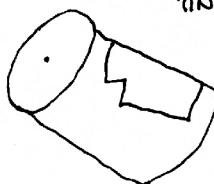
GET A PIECE OF DOWEL (e.g. BROOMSTICK) OR BAMBOO

ABOUT 30 - 40 cm LONG



USE A HACKSAW OR TRIANGULAR FILE
TO CUT A GROOVE ROUND THE STICK, NEAR
ONE END.

MAKE A SMALL HOLE IN THE END OF AN EMPTY
TIN CAN



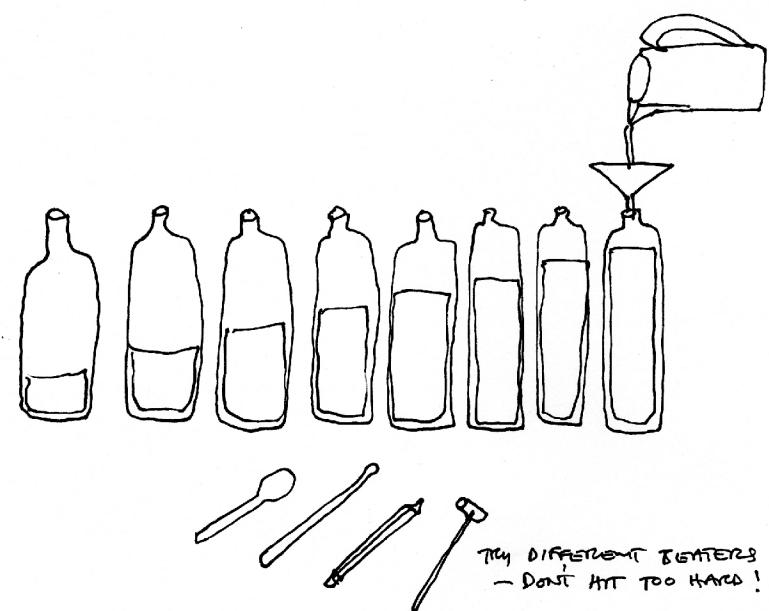
FEED STRONG, HARD STRING (BUILDERS' PLUMB LINE IS GOOD) (ABOUT 60cm)
THROUGH THE HOLE AND TIE SECURELY TO A
WASHER OR CUPRIN RING BEFORE PULLING BACK
TIGHTLY.

MAKE A SLIP-LOOP IN THE OTHER END OF THE STRING
AND SECURE IN THE NOTCH AT THE END OF YOUR
STICK.

IF YOU CAN GET
VIOLIN-BOW ROSIN,
APPLY TO THE STRING LOOP
FOR LOUDER SOUNDS.

TWIRL ROUND
(OUTSIDE) FOR SCRATCHING
SOUND.
MAKES SURE
NOBODY IS
NEAR YOU.

BOTTLE GLOCKENSPIEL



SET UP AT LEAST EIGHT BOTTLES — THEY MUST BE GLASS,
SO IT IS BEST DONE OUTSIDE, ON THE GROUND.

IF YOU WANT TO PLAY EXISTING TUNES, ALL THE
BOTTLES SHOULD BE THE SAME KIND. IF JUST PLAYING
FOR FUN, TRY DIFFERENT SIZES AND SHAPES.

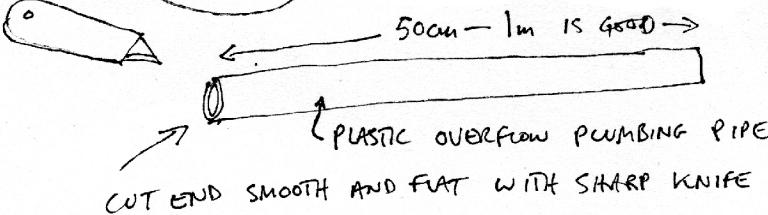
YOU CAN TUNE THE BOTTLES BY ADDING OR POURING OUT
WATER — YOU CAN PLAY QUITE COMPLICATED MUSIC, INCLUDING
HARMONY.

BALLOON-O-PHONE

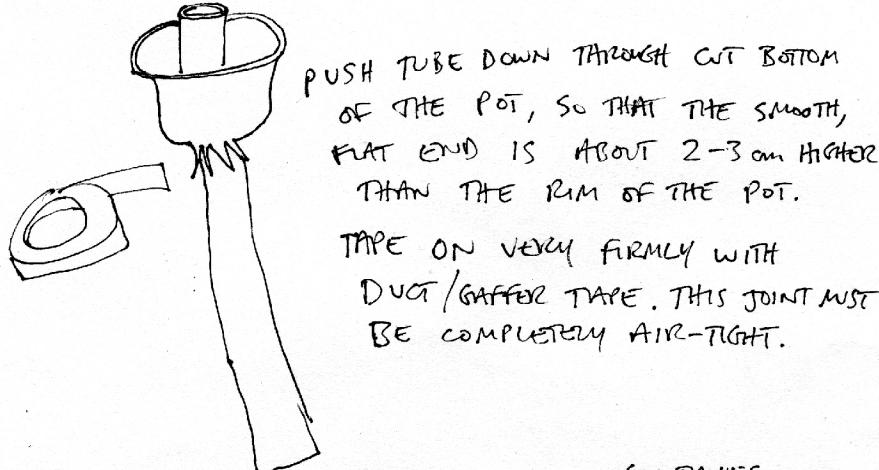
USE A CIRCULAR (NOT SQUARE) YOGHURT POT, OR
TWO PLASTIC CUPS TOGETHER, OR INDIVIDUAL SPONGE
PUDDING POT.



CUT STAR SHAPE IN BOTTOM OF POT WITH
SHARP KNIFE OR SCISSORS

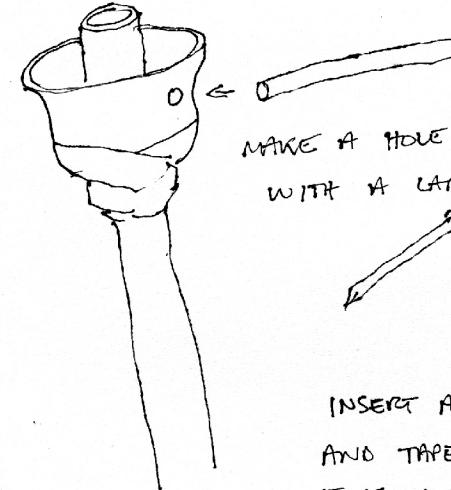


PUSH TUBE DOWN THROUGH CUT BOTTOM
OF THE POT, SO THAT THE SMOOTH,
FLAT END IS ABOUT 2-3 cm HIGHER
THAN THE RIM OF THE POT.

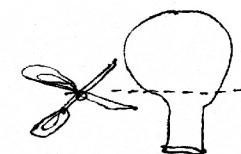


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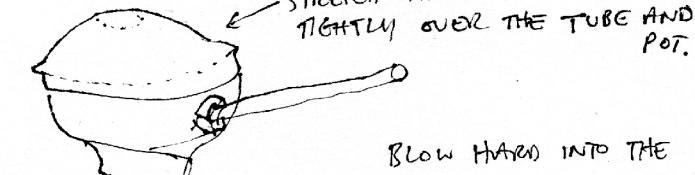
BALLOON-O-PHONE (CONTINUED)



MAKE A HOLE IN THE SIDE OF THE POT
WITH A LARGE NAIL OR A LEATHER PUNCH



CUT A LARGE, LATEX BALLOON
ACROSS THE 'SHOULDER'



BLOW HARD INTO THE STRAW.

IF YOU FEEL AIR
ESCAPING ANYWHERE,
ADD MORE TAPE.
IT SHOULD SOUND LOUD + CLEAR

TRY
DRILLING HOLES
FOR DIFFERENT
NOTES

