

# CIGAR BOX FINGER PIANO

## MATERIAL LIST

- ① WOOD CIGAR BOX
- ② 6 OR 8 POPCICLE STICKS  
OR TONGUE DEPRESSORS (BEST)
- ③ 2 -  $\frac{1}{2}$ " DOWELS (APPROX 8' LONG)
- ④ 2 -  $\frac{1}{2}$ " x  $\frac{1}{2}$ " STICKS (APPROX 8' LONG)
- ⑤ 2 -  $2\frac{1}{4}$ " BOLTS (#8-32 OR CLOSE  
TO THAT)
- ⑥ 2 - WING NUTS (SAME)

## INSTRUCTIONS

- ① CUT A SOUND HOLE WITH A HOLE SAW OR JUST DRILL A BUNCH OF HOLES IN ANY PATTERN YOU LIKE IF YOU DON'T HAVE A HOLE SAW.
- ② CUT THE DOWELS + STICKS JUST A BIT SHORTER THAN THE WIDTH OF YOUR BOX.
- ③ DRILLING PROCEDURE: STACK YOUR  $\frac{1}{2}$ " x  $\frac{1}{2}$ " STICKS TOGETHER AND DRILL A HOLE (FOR YOUR BOLTS) THROUGH BOTH STICKS AT ONCE ABOUT  $1\frac{1}{2}$ " IN FROM BOTH ENDS. NOW, PLACE ONE OF THESE STICKS ON YOUR BOX AND USE IT AS A GUIDE TO DRILL YOUR BOX.
- ④ ASSEMBLE THE PARTS AS SHOWN IN FIGURE ② - ARRANGE THE POPCICLE STICKS/TONGUE DEPR. IN ANY WAY YOU LIKE + TIGHTEN DOWN THE WING NUTS TILL THE POPCICLE/TONGUE STICKS BEND JUST A BIT.
- ⑤ EXPERIMENT WITH THE STICK LENGTHS TILL YOU LIKE THE SOUND  
NOTE: ANY NUMBER OF VARIATIONS ON THIS DESIGN WILL WORK FINE I.E. - 3 BOLTS INSTEAD OF 2, MIXING POPCICLE + TONGUE DEPR., DIFFERENT SIZE DOWELS + STICKS, OTHER KINDS OF BOXES, ETC.

THIS DESIGN IS SIMPLE + CHEAP TO MAKE. YOU WILL NEED ONLY A DRILL + SOME SORT OF SAW. THE RESULTING INSTRUMENT WILL PRODUCE A BEAUTIFUL TONE AND IS VERY FUN TO PLAY!

NOTE: HOBBY LOBBY IS A GOOD SOURCE OF POPCICLE STICKS + TONGUE DEPRESSORS + DOWELS +  $\frac{1}{2}$ " x  $\frac{1}{2}$ " STICK (DO NOT USE BALSA WOOD)  
MOST CIGAR SHOPS WILL GIVE A KID A BOX FOR FREE! IT DOES NEED TO BE WOOD.

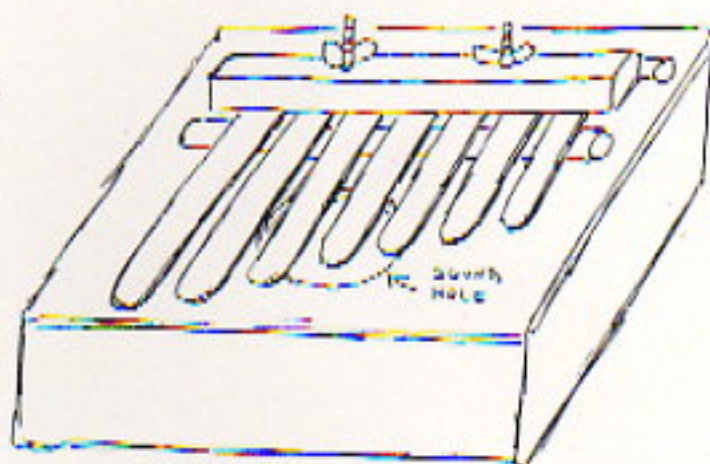


FIGURE ①

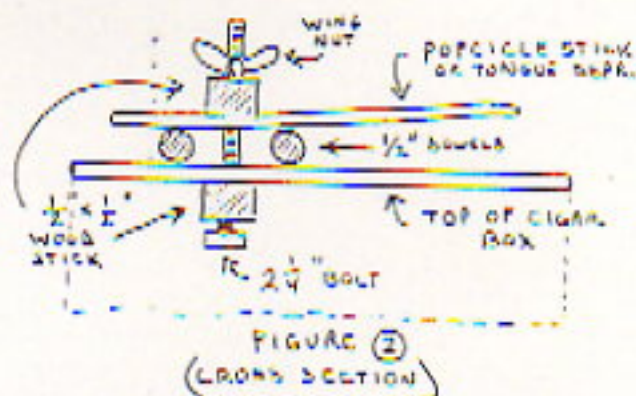


FIGURE ②  
(CROSS SECTION)

Beware of this!

RIGHT



WRONG