

# DIY Chime Build

By Paul Stoops  
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## Build information:

**Tube Material:** 1" dia. X 0.065" wall AL 6061-T6511 from [Speedy Metals](#)

**Suspension Method:** Wire arms from Dollar Store 41mm paper binder clips through 5/64" dia. holes with 60 lb. nylon fishing line for support lines\*

**Top Support Disk:** 7" dia. wooden disk

**Striker:** 4" dia. wooden disk w/CD on top -- strike position approx. 1/2" above bottom end of tubes (CD added to reduce space between striker and tubes for our low wind conditions.)

**Sail:** (2) CD's with 1/4" x 1" lg. bolt w/ (3) hex nuts

**Note:** the two wooden disks were craft store items, i.e. JoAnn's, Hobby Lobby, etc.

I just finished building a 5-chime set according to information at <http://leehite.org/Chimes.htm> and they produce fabulous bell like notes on the C3 scale. I used the [Syntrillium](#) software to select the desired pentatonic scale -- Major Pentatonic (Asia).

\*I originally used #14 steel jack chains to hang the tubes and striker. However, I found that under high wind gusts, the top of the tubes would clang against the chain, making a very harsh sound. Changing the line to the nylon material solved the problem.





Note the use of the notched end dowel and the 4" electrical tie wrap to compress the wire arms sufficiently to allow insertion into the tube. The photo shows a test setup with the holes near the end of the tube. The actual installation required reaching over 9 1/2" into the longest tube until one of the wire arm ends protruded through one of the holes and then using pliers to align the position of the wire arm with the other hole. When the dowel is removed, the tie wrap slides up the wire arm out of the way, allowing the wire arm to expand. Incidentally, when I changed from the chain support lines to the nylon line, I used the same notched-dowel to engage the tie wraps to compress the wire arms for removal and replacement!

