

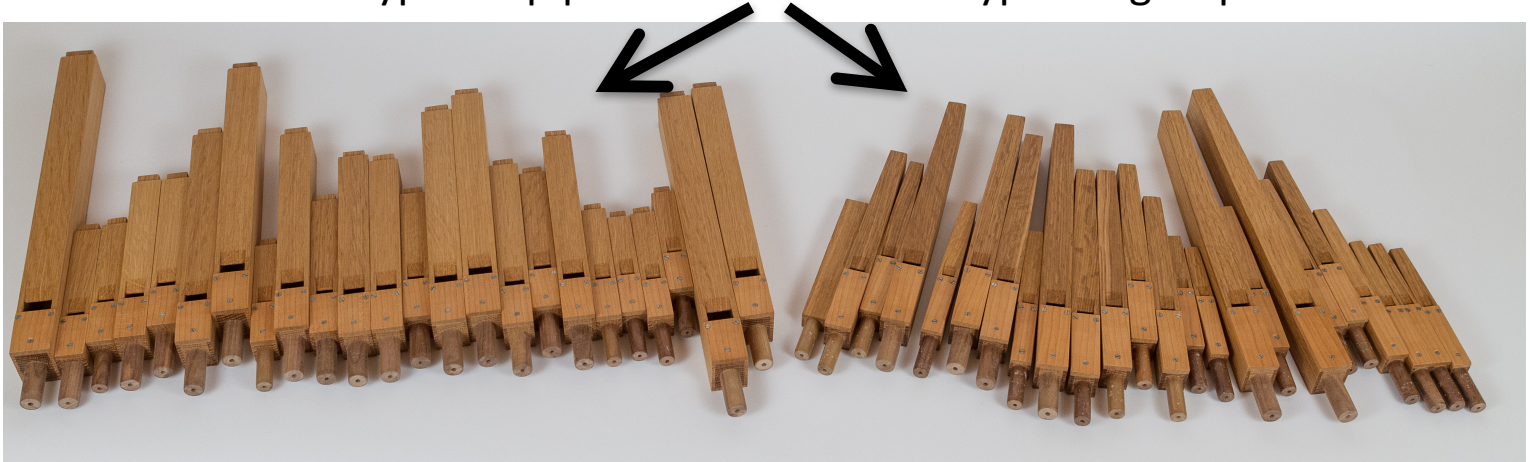
Once the FRAME of the organ is assembled, your team can install the PIPES. But before the PIPES are ready to be installed on the organ, you will need to get them in order and installed on the TOE BOARD.

1. What you will need:



2. How to proceed:

- Arrange all of the pipes in the same orientation (facing the same way)
- Sort into TWO types of pipes. What are those types or groups?



- For each type of pipe, place the pipes in the correct order (Longest on the Left). Could you sort the pipes based on SOUND rather than length?



- **LOOK at & LISTEN to the RANKS you have assembled**

- Pipes in an organ are arranged into RANKS: a rank of pipes are a group of pipes that produce the same type of sound
- How many ranks does this organ have?
How many ranks might a big organ have?
- How do the ranks differ in APPEARANCE and in SOUND?
- Why might that be?

Once the PIPES have been sorted, you may install them on the TOE BOARD.



- The closed or capped (*Gedeckt*) RANK goes in front nearest the keys.
- One rank of pipes will take two rows. Place the pipes in the holes, alternating between the front and back row of holes.
- Pipes on the front row have their MOUTHS face forward, pipes in the back row have their mouths face backwards. That applies for both ranks.
- WHY do you think it's important for the mouths to face that way?



Once the WINDCHEST has been installed in the FRAME & the TRACKER ACTION & function of the SLIDERS have been explored & understood by all, an adult can install the pipes & toe board on the organ.

- Does it look finished?
What remains?