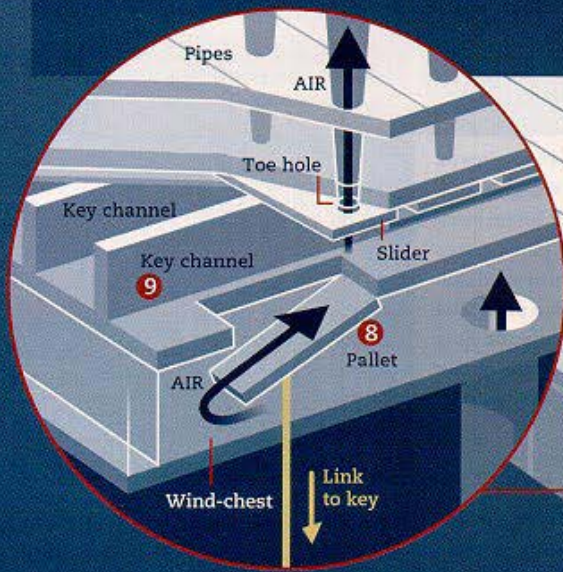


### THE PIPES

Large organs have thousands of pipes ranging in length from a few inches to more than 30 feet.

The smallest

The largest



### HOW A MECHANICAL PIPE ORGAN WORKS

A blower **1** pushes air through a regulating valve into a reservoir **2**. From there the air travels up the wind-trunk **3** into an airtight box, the wind-chest **4**. A row of pipes is controlled by a stop knob **5**. As the knob is pulled out, a wooden slat called a slider **6** is moved, and holes in the slider line up with the pipes. Now these pipes can be played. When the organist depresses a key **7**, a pallet **8** opens, and air enters a key channel **9**. All the pipes on that channel (whose stops have been opened) will sound.

