



Inventions Les Paul made when he was a teen

Les Paul used things he found in his house or in his neighborhood to create his ideas.



Hi! I am Les Paul's friend Chris. Let's look at what a boy from Waukesha, WI invented.

Les created a way to play his guitar and harmonica at the same time. He invented a **flip-able harmonica holder**, which no one had. He used a hanger and strips of wood.



Les created a way to hear sound on top of sound, **multi-track sound**, by punching extra holes in the player piano roll.



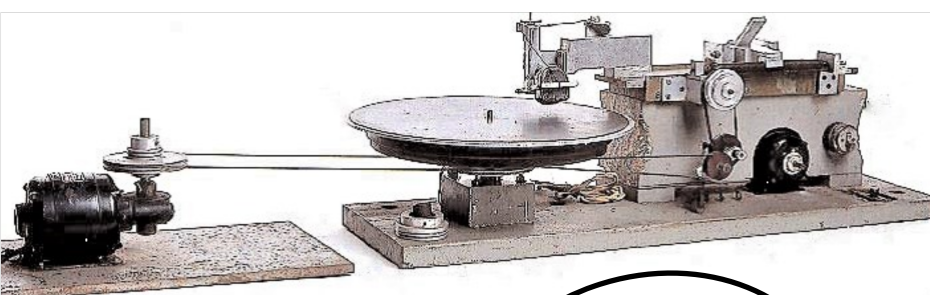
Not everything Les created worked out. He tried to create a **solid body guitar** by stuffing it with socks, underwear and even Plaster of Paris. The sound was terrible.



Les then used a train track rail. The sound was great and it lasted a long time. Les' **rail guitar** led to the famous Gibson Les Paul guitar.



When Les was young, people listened to music on a Victrola. He taped the Victrola arm to his guitar and connected it to a radio to make his guitar sound louder. He had invented an **electric guitar!**



Les wanted to record his music. He used a car's fly wheel, a belt and a knife to build a **recording lathe**.