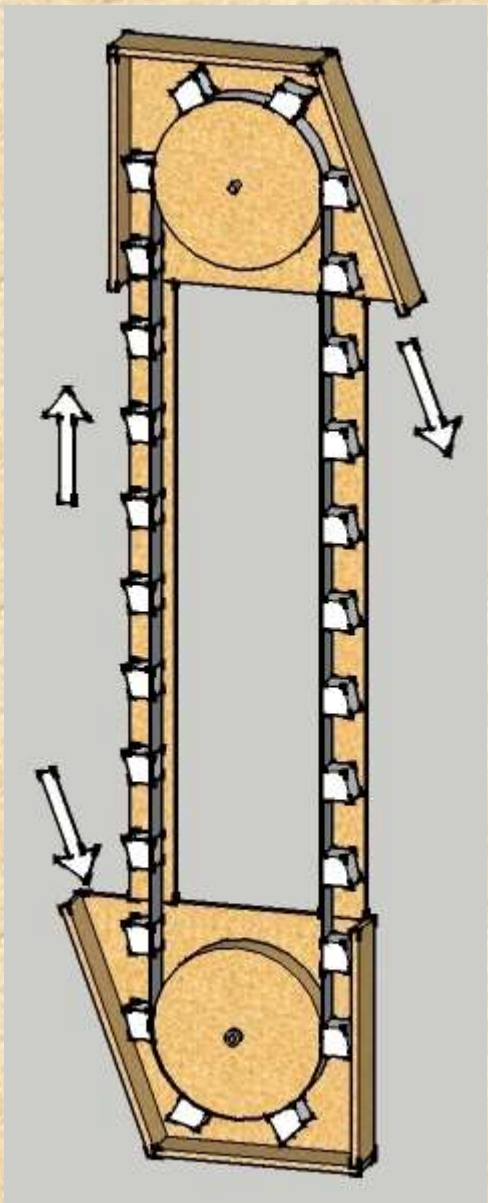




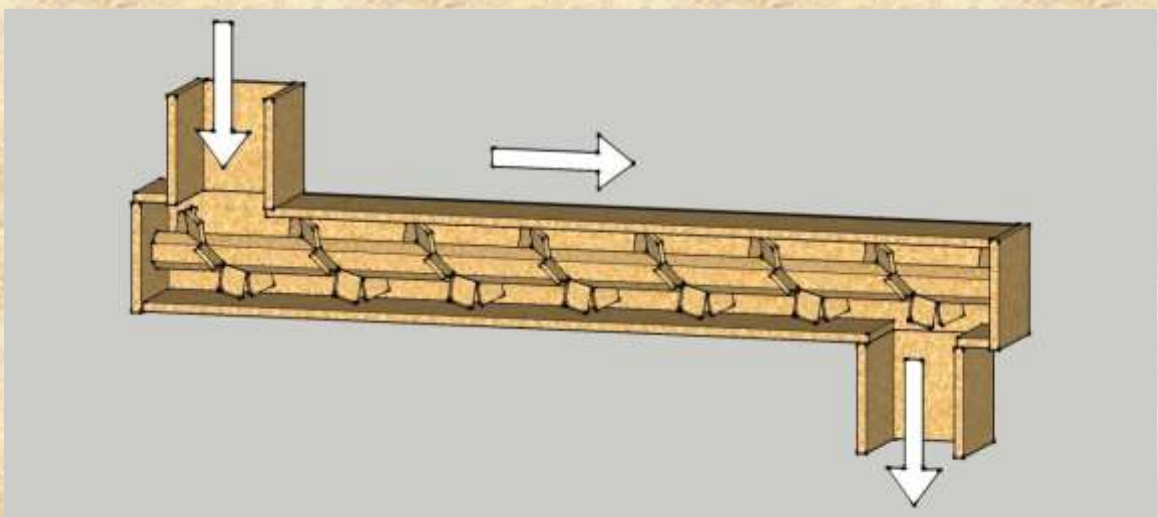
# Oliver Evans, 1755-1819

Inventor of 5 improvements to automate the flour milling process



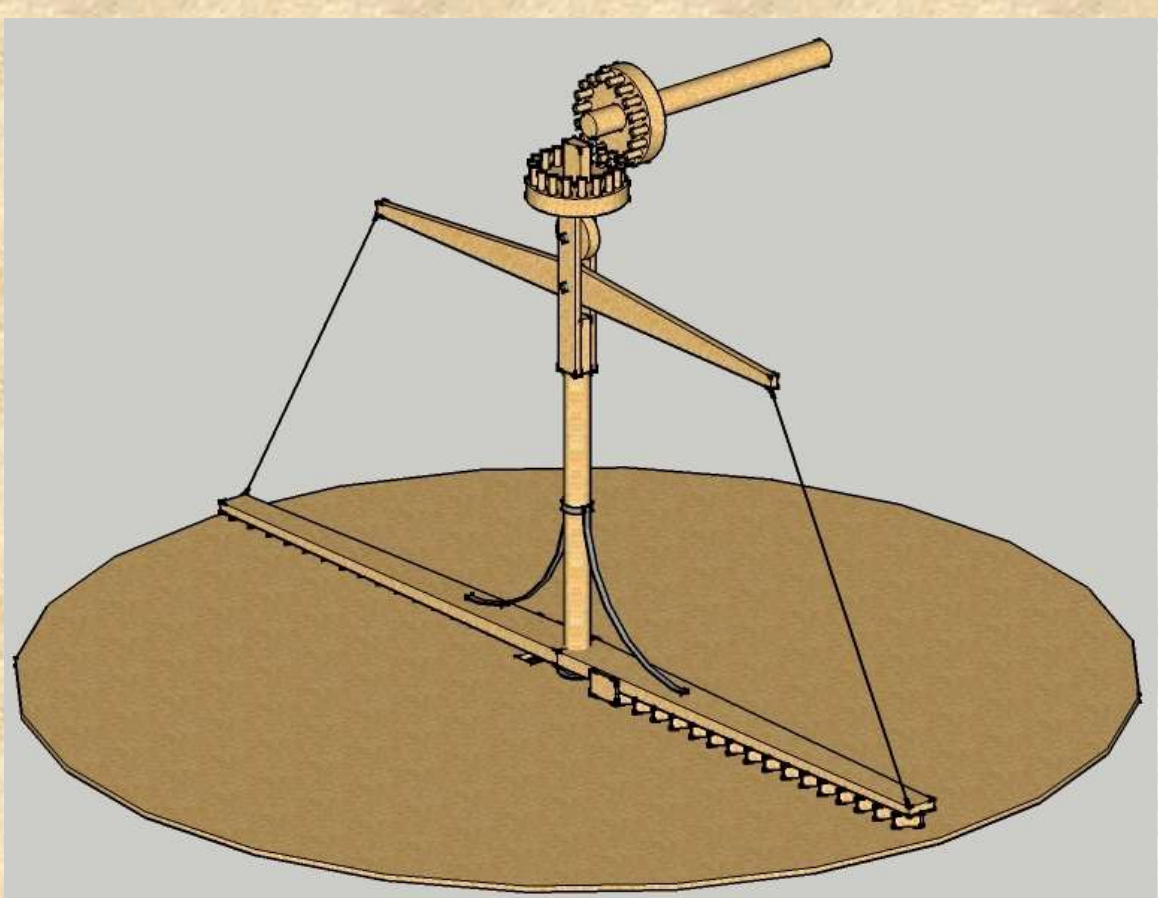
## The Elevator

The Elevator used an endless belt with cups to move material vertically.



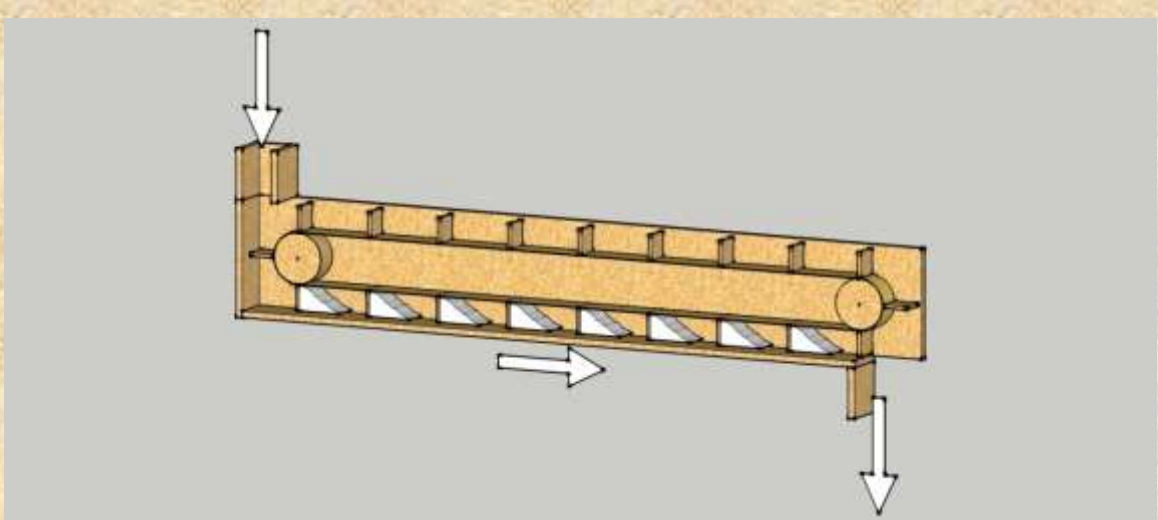
## The Conveyer

The Conveyer moved material horizontally with a rotating shaft with paddles called flights that were set in a spiral.



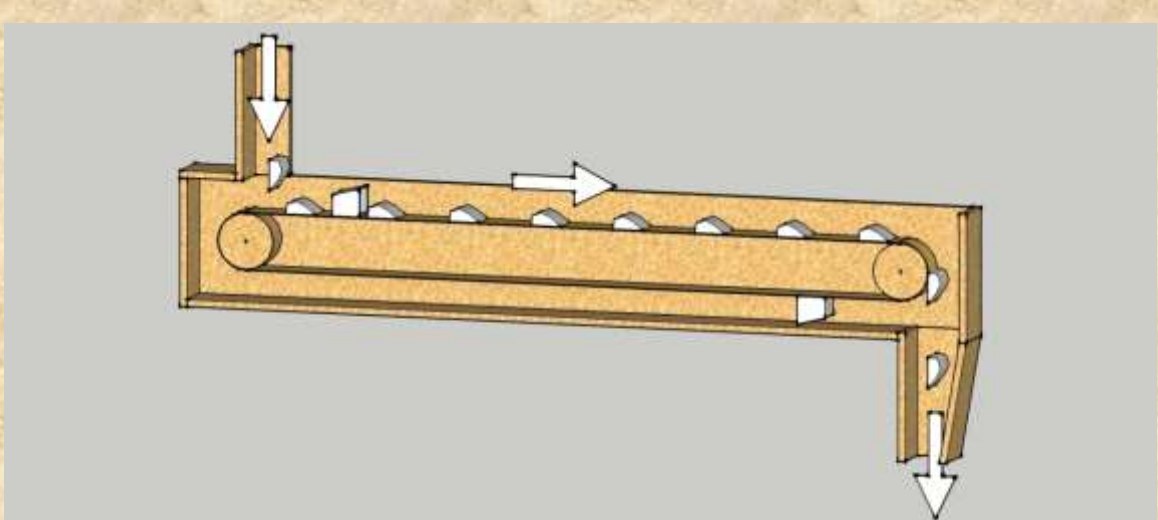
## The Hopper Boy

The Hopper Boy raked flour in a circle to cool it and break up any lumps. It slowly moved the flour towards the center where it fell through a hole in the floor. It replaced the boys who used rakes to do this by hand.



## The Drill

The Drill moved material horizontally with paddles on an endless belt.



## The Descender

The Descender moved material horizontally and downward on an endless belt by the weight of the material alone.