



# the mechanics of a SEWING MACHINE

Shreya Goel

# The main parts:

1

The belt run by a motor

2

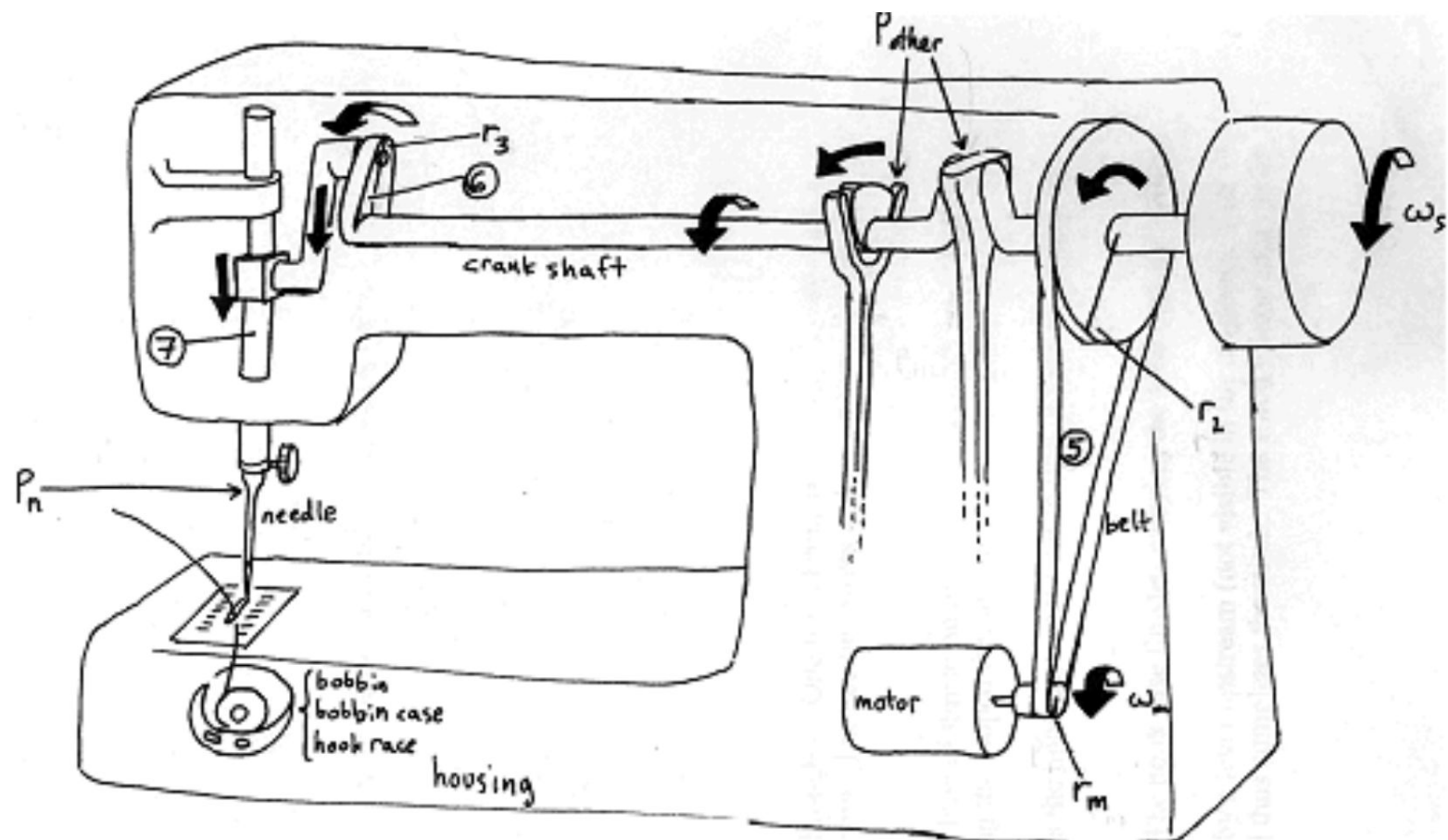
The crankshaft and the lever

3

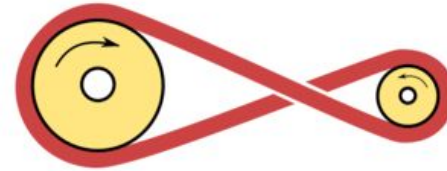
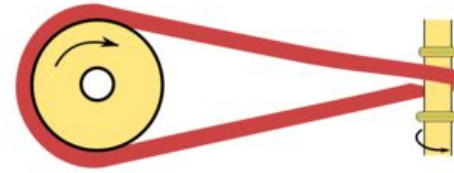
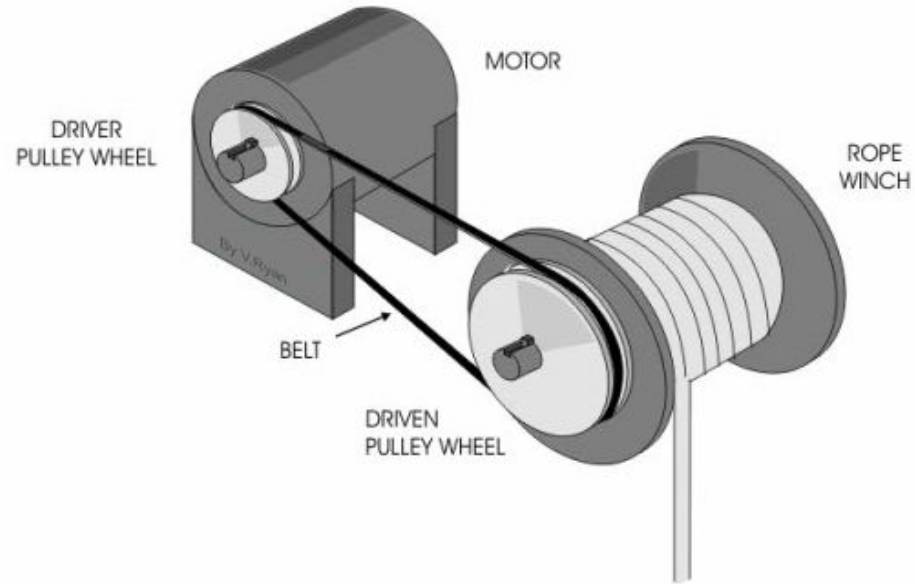
The oscillating needle

3

The bobbin compartment



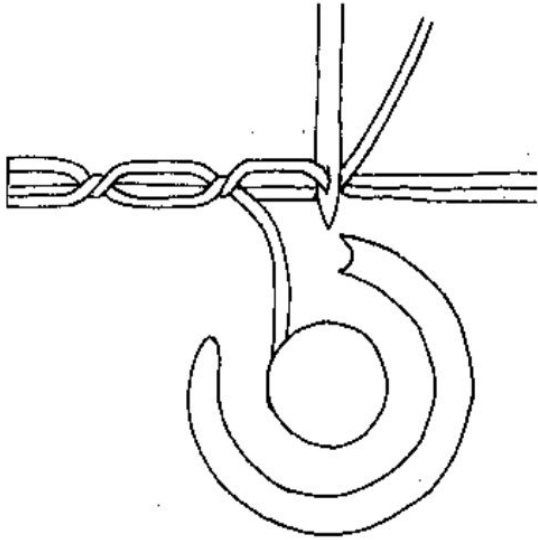
# The belt and pulley mechanism



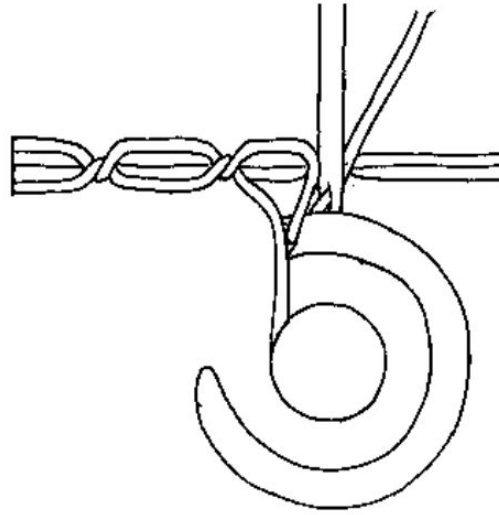
# How the stitch works

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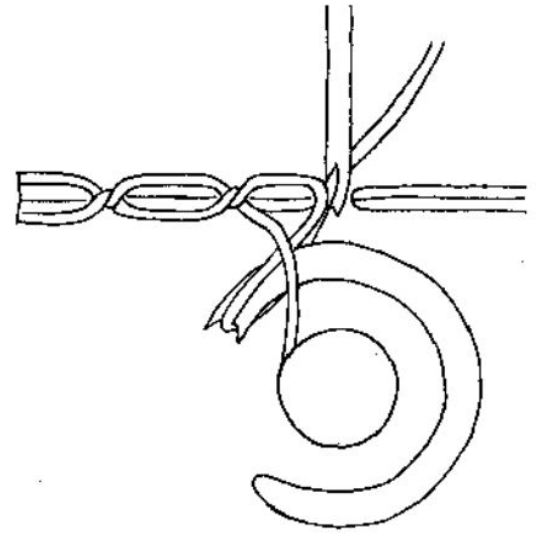
**Step 1**



**Step 2**



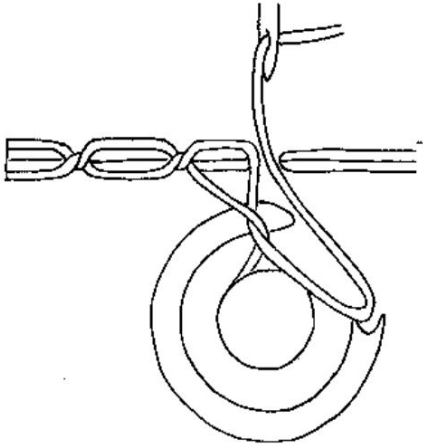
**Step 3**



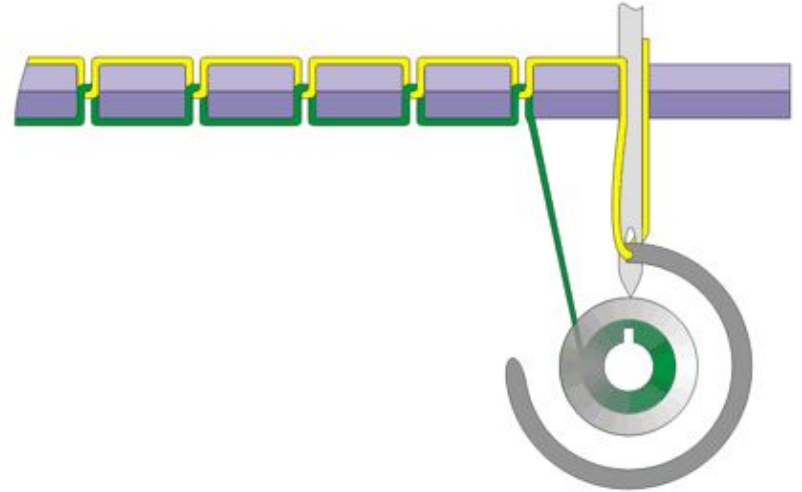
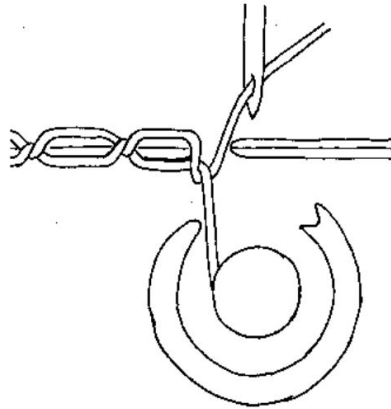
# How the stitch works

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**Step 4**

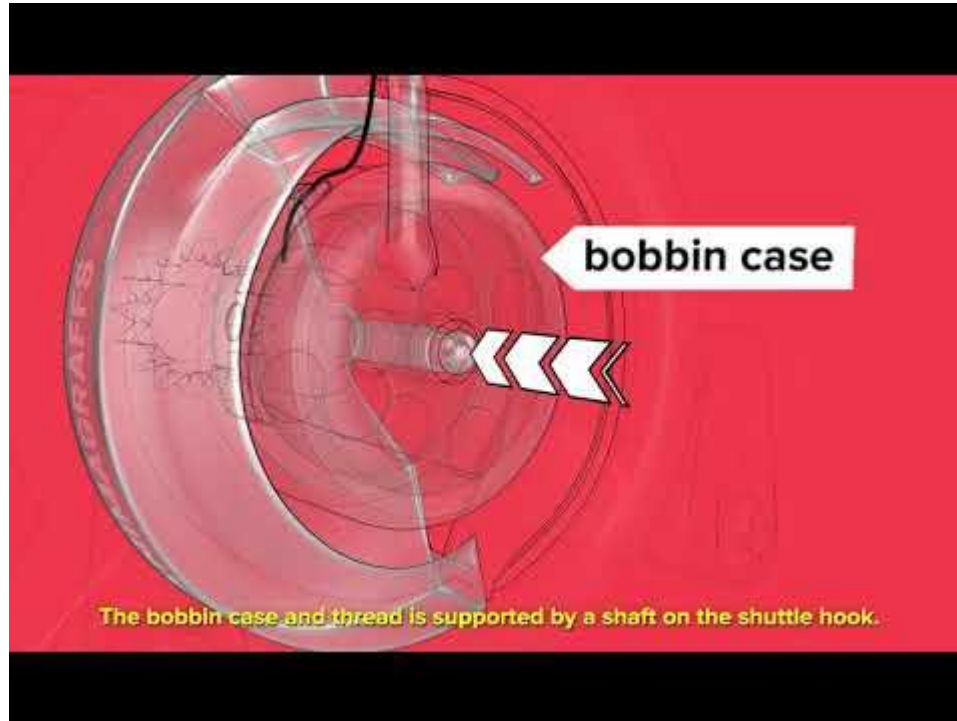


**Step 5**



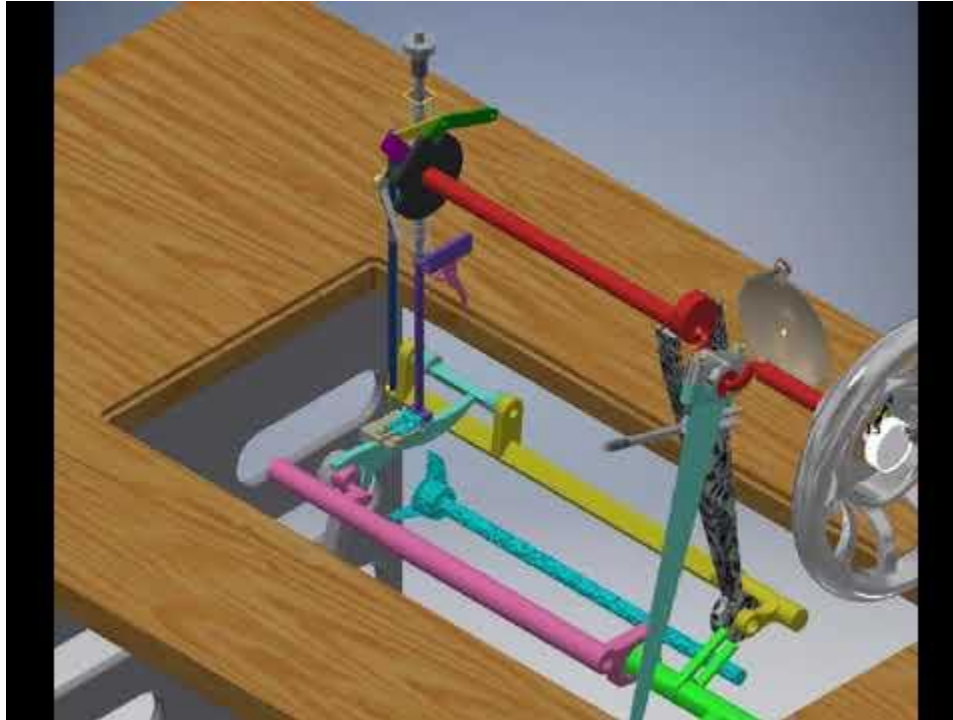
# The Bobbin

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# Working mechanism video

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# Unique Features

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- The stitching mechanism is very unique!
- The double crankshaft mechanism for the needle and bobbin movement is inspiring
- The way to convert rotational motion to steady linear motion is fascinating
- The small to large disc belt mechanism is an interesting way to make a belt





**Thank You!**