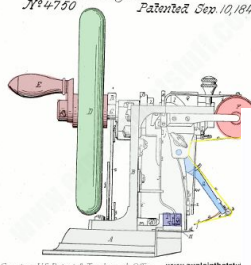
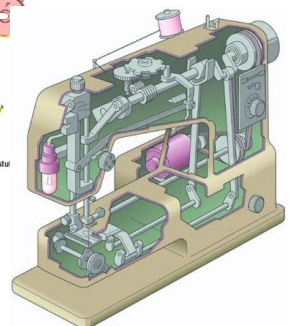
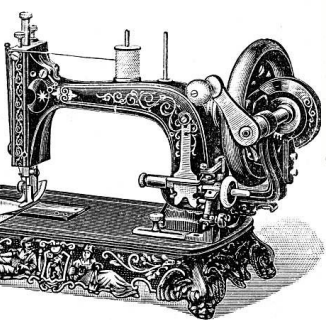


E. Howe Jr.
Sewing Machine.
Patented Dec 10, 1846.
N° 4750

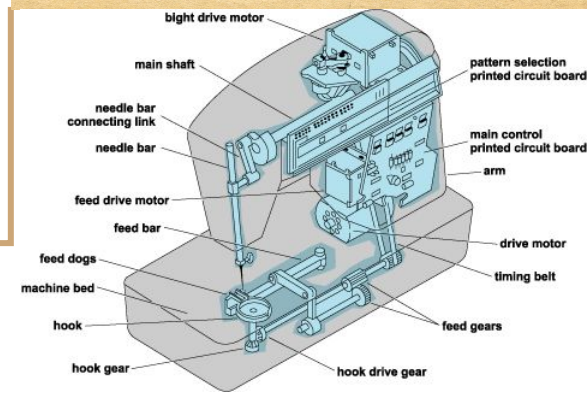
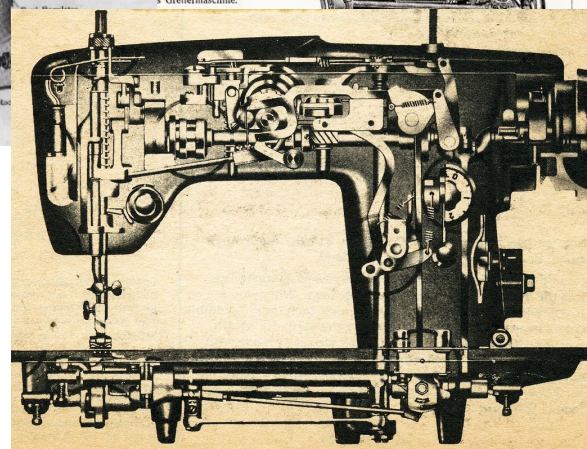


Courtesy US Patent & Trademark Office www.explainthatstuf



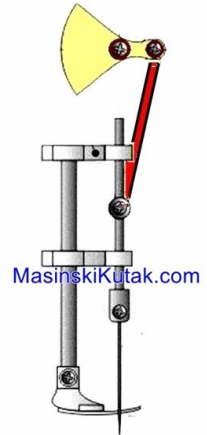
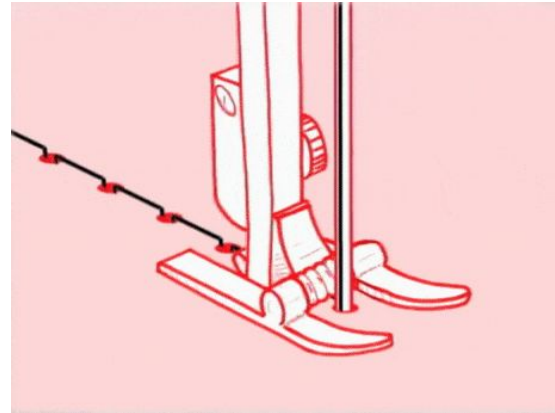
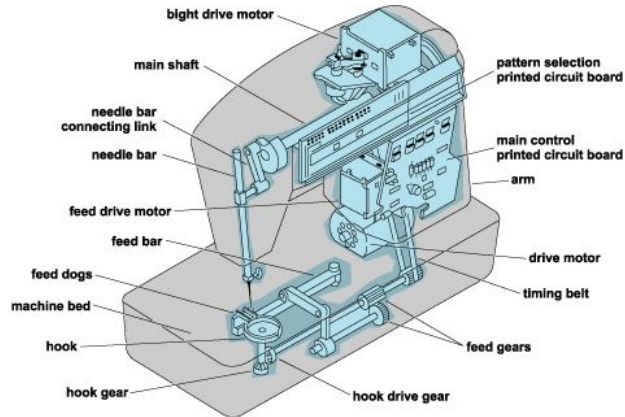
Sewing Machine

mechanical machine



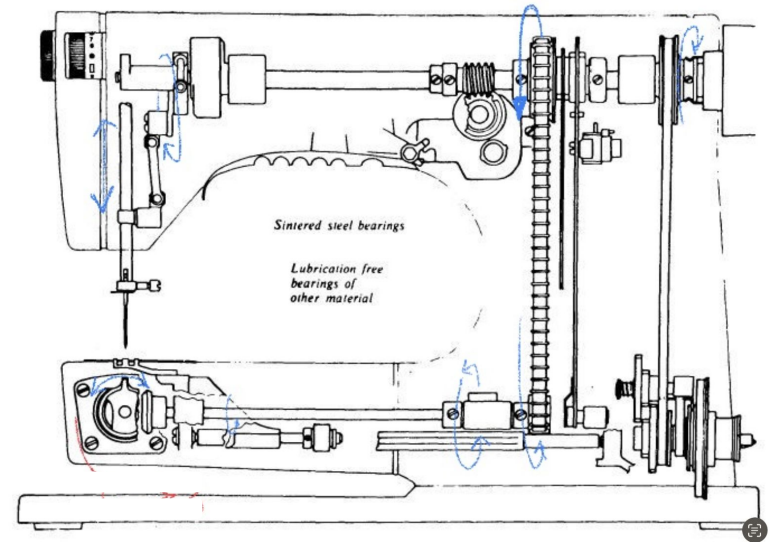
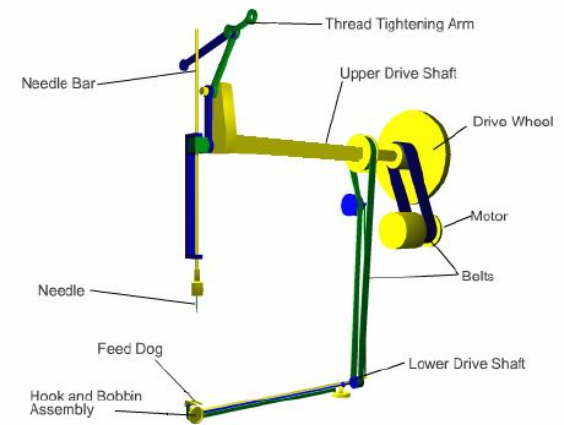
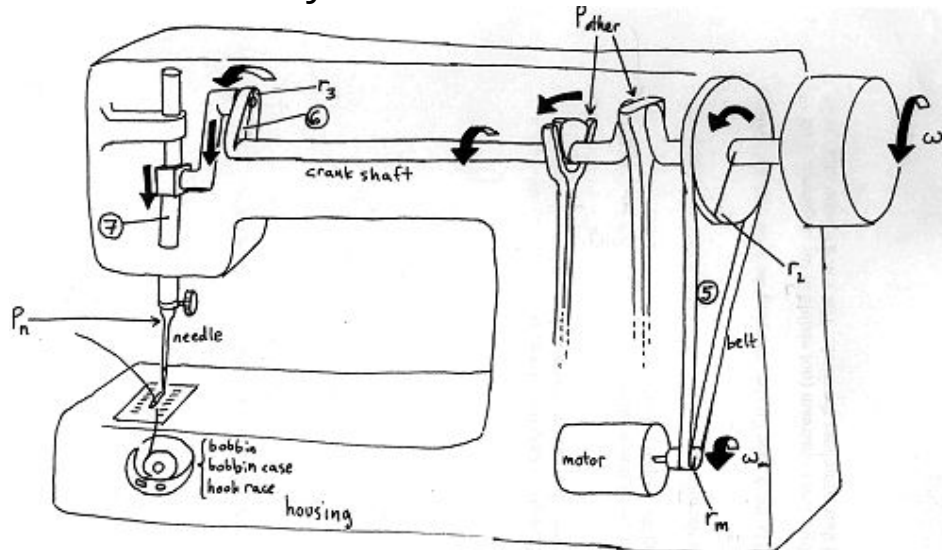
How does it do what it's supposed to do?

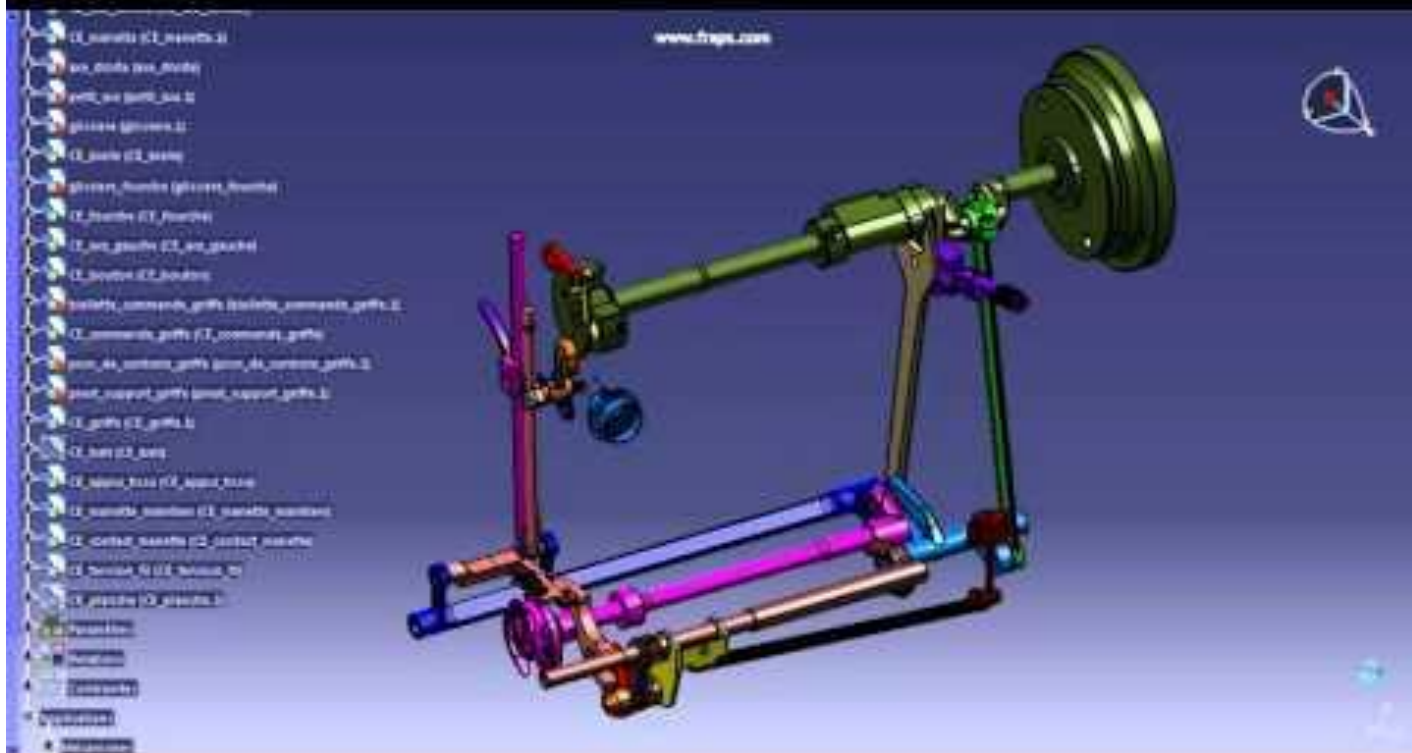
- Sewing machines don't mimic the way the needle and thread seen when sewing by hand. Instead it uses 2 threads. One attached to the bobbin and the other to the needle.
- The bobbin hook hooks on the thread from the needle and wraps it around the bobbin thread.

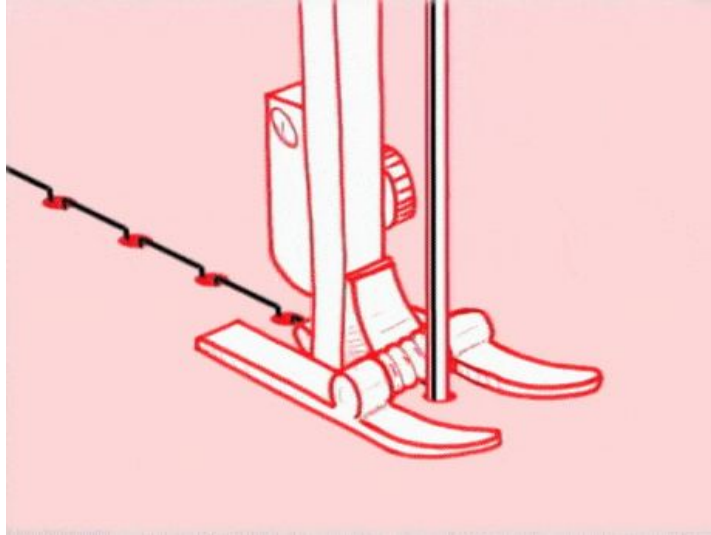


Inside a sewing machine

- It seems that a band is used to rotate the bobbin Holder. In the next slide the bobbin rotation is done differently





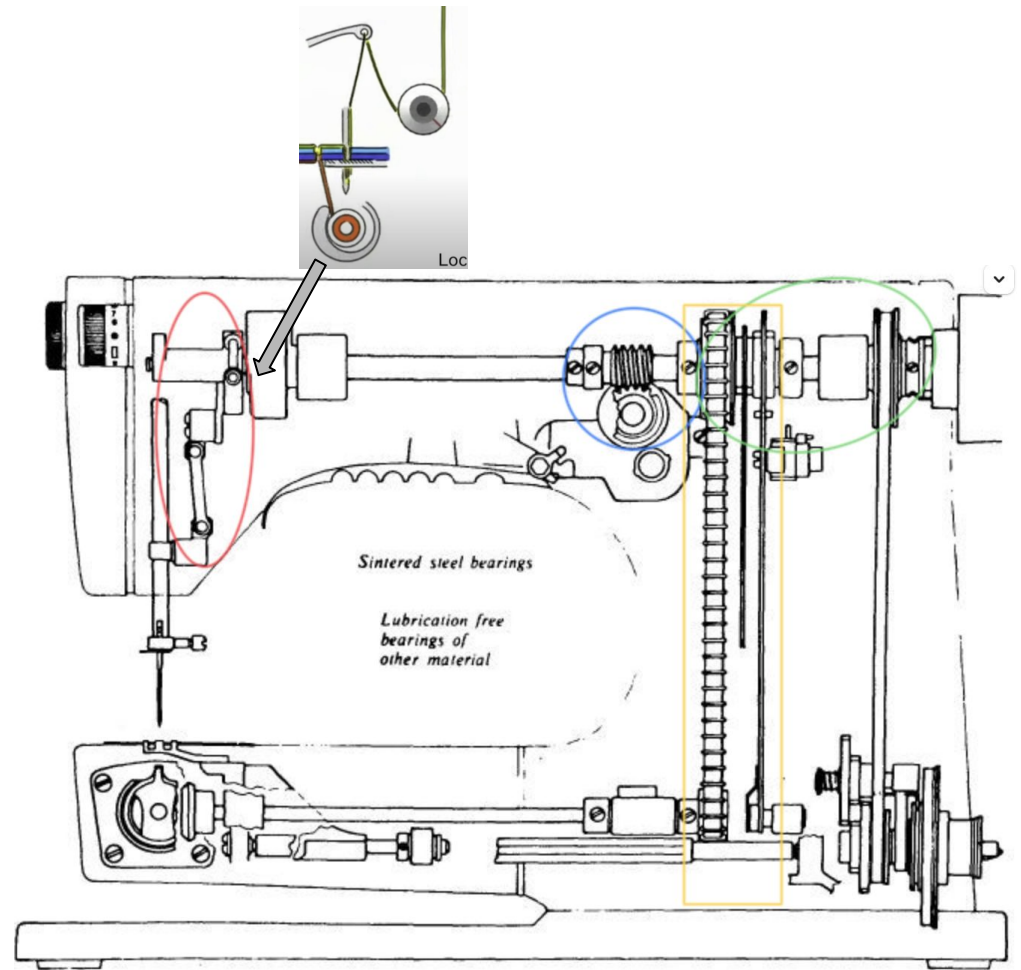


A gif of the way sewing machines sew
<https://hobbycouture.com/content/articles/comment-fonctionne-une-machine-a-coudre/images/fonctionnement-machine-coudre-point-couture.gif>

favorite part

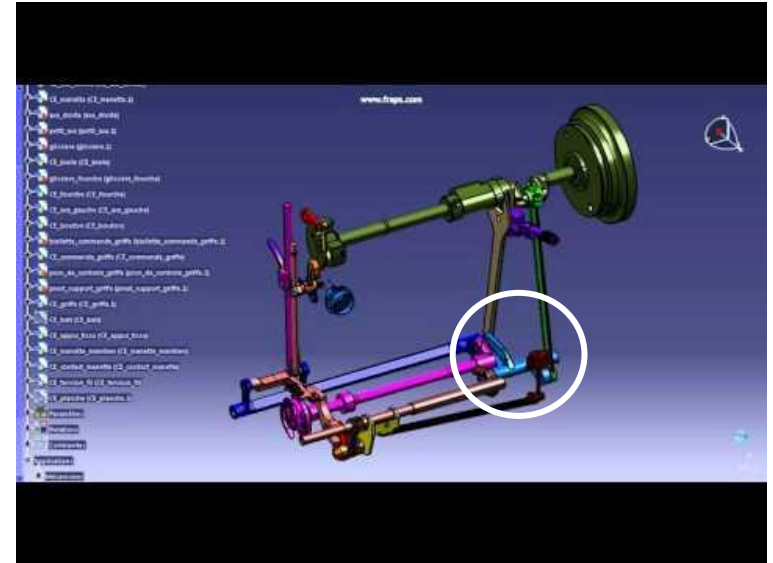
simple machines

- Screws - blue
 - The blue part
- Wheel and axle - green
 - The wheel and axle controlling the rotation in many places in the machine
- Pulley - yellow
 - The band system used to rotate the bobbin
- Lever - red
 - The needle bar
 - The needle thread take-up lever



interesting, unusual, or inspiring features that can be incorporated into final project

- half circle motion



A gif of the way sewing machines sew
<https://www.youtube.com/watch?v=D1MsE2zIUAA>