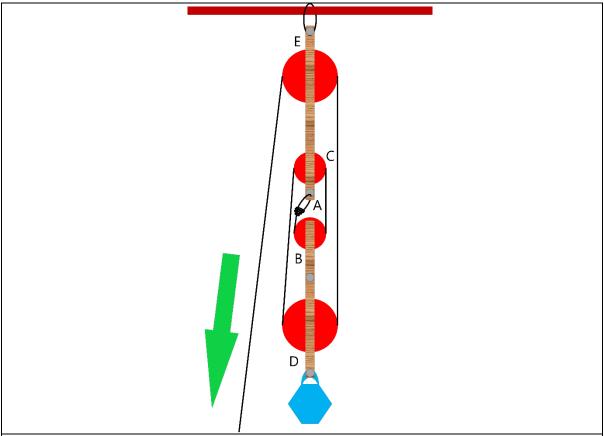
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Levers, pulleys and gear box- block and tackle pulley



Block and tackle pulley

A block (pulley) is a wheel on a shaft inside a case used for lifting objects or changing the direction of effort. Block and tackle means using multiple pulleys, one fixed and the other moving to create a mechanical advantage.

To assemble the block and tackle, place the pulleys on a flat surface, one above the other, with the small wheels facing each other.

- 1. Attach the rope to the bottom of the top pulley (A).
- 2. Wrap the rope around the small wheel of the lower pulley (B).
- 3. Wrap the rope around the small wheel of the top pulley (C).
- 4. Wrap the rope around the large wheel of the bottom pulley (D).
- 5. Wrap the rope around the large wheel of the top pulley (E).
- 6. Pull in the direction of the arrow.

