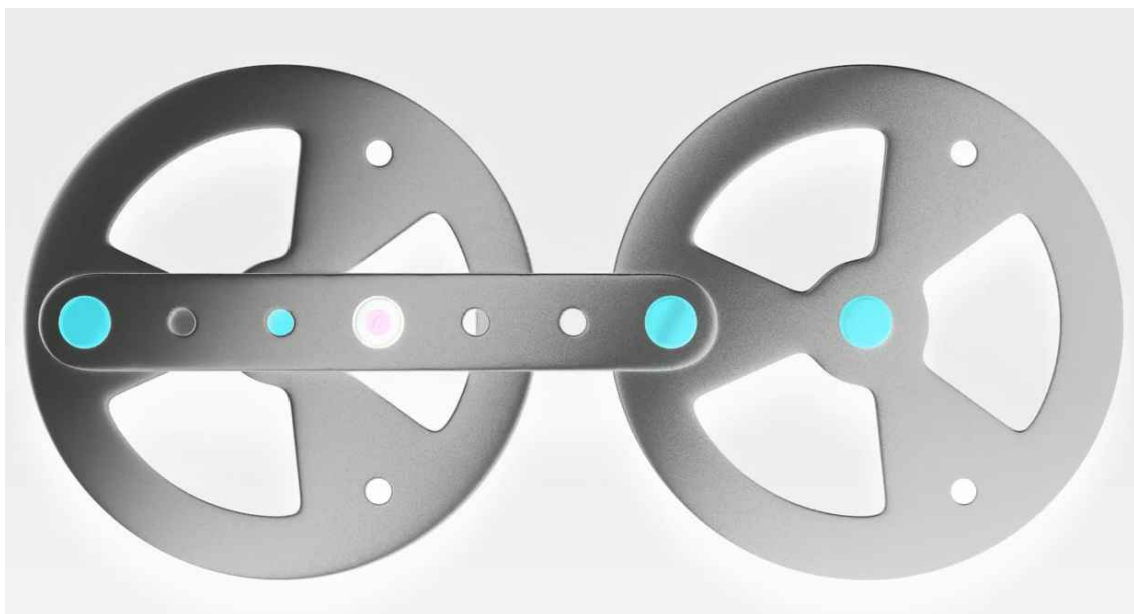
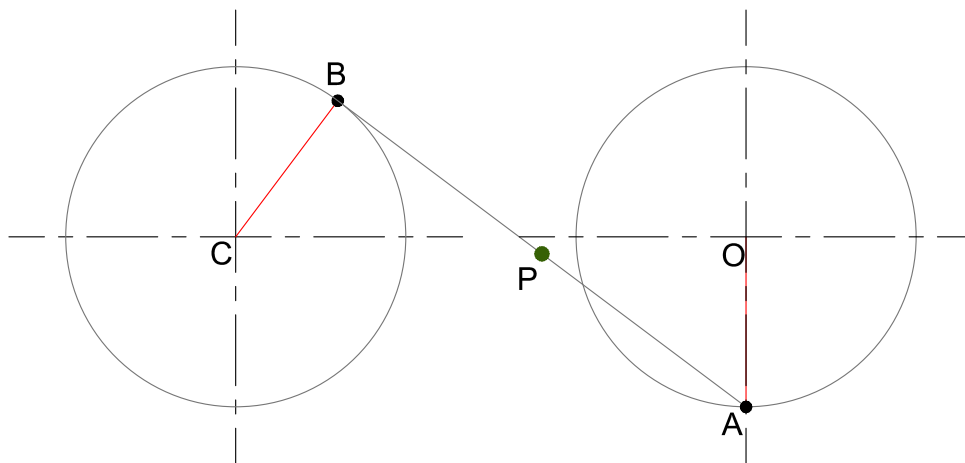


## Two wheels linkage mechanism.

This mechanism is made up of the following components:

- a) two cranks;
- b) one linkage.

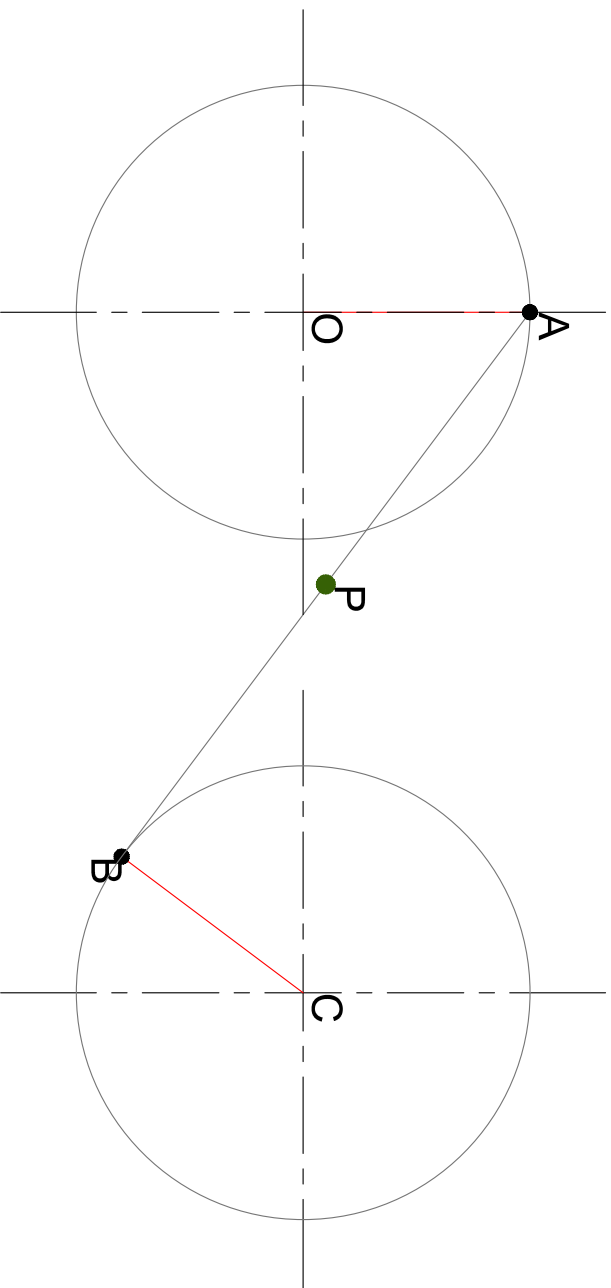
Plot the locus of point P for one complete revolution.



To help you visualize the mechanical motion better you can visit:  
<https://youtu.be/czL7EPi0dkw> for a video of the locus of this mechanism.

### Loci Exercise Two wheels - STARTER SHEET

The diagram shows a mechanism with two cranks OA and CB which rotate around centres O and C respectively. The two cranks are connected through a connecting rod AB and while OA rotates in a clockwise direction, CB rotates anticlockwise. Find the locus of point 'P' on rod AB as crank OA makes one whole revolution.



### Loci Exercise Two wheels - ANSWER SHEET

The diagram shows a mechanism with two cranks OA and CB which rotate around centres O and C respectively. The two cranks are connected through a connecting rod AB and while OA rotates in a clockwise direction, CB rotates anticlockwise. Find the locus of point 'P' on rod AB as crank OA makes one whole revolution.

