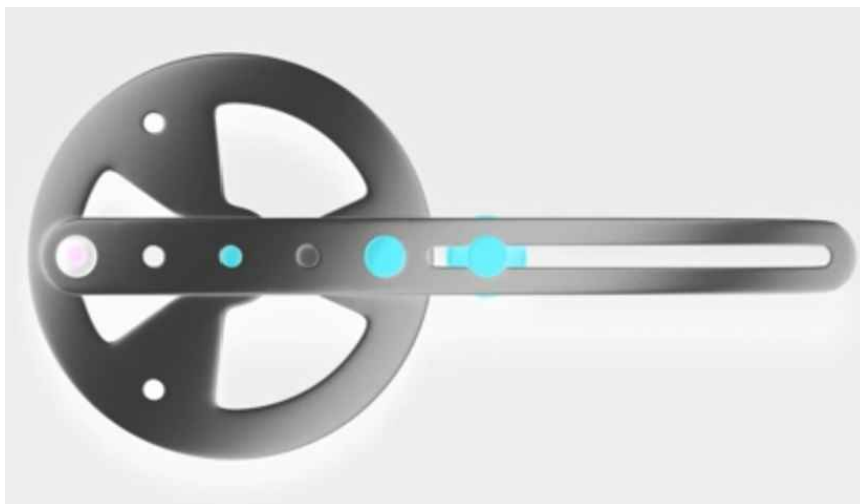
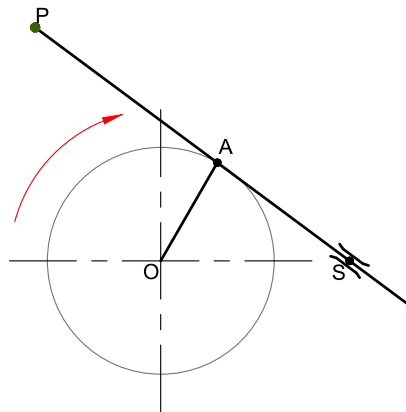


## Crank and slider 2 mechanism.

This mechanism is made up of the following components:

- a) one crank OA;
- b) one linkage PA;
- c) one pivot slider S.

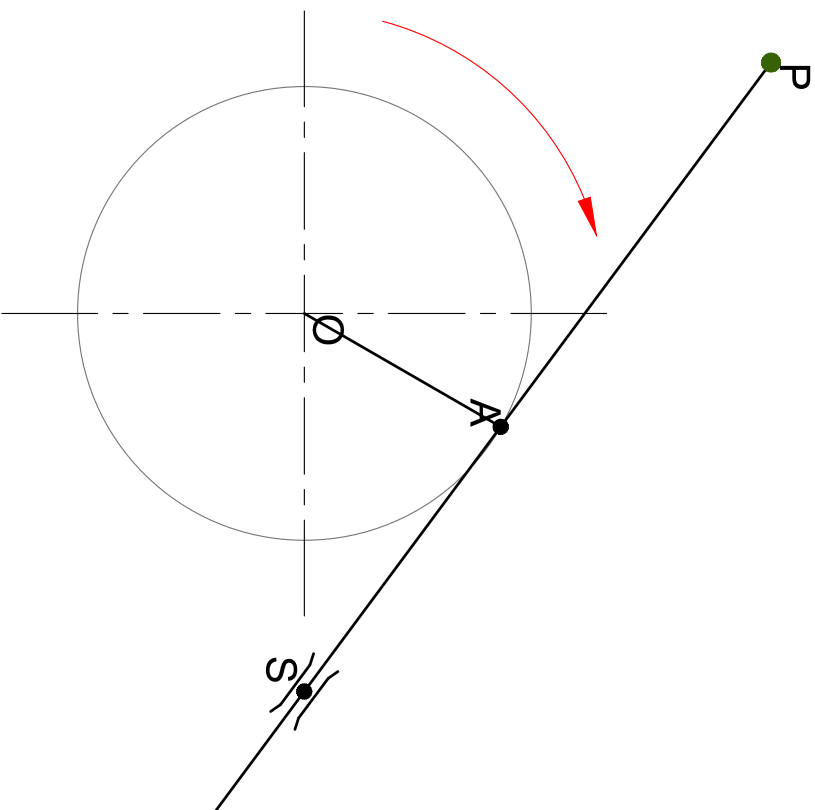
Plot the locus of point P.



To help you visualize the mechanical motion better you can visit:  
<https://youtu.be/r7pGKjjTBg> for a video of the locus of this mechanism.

### Loci exercise crank and slider 2 - STARTER SHEET

The diagram shows a crank mechanism OA which rotates around centre O. Rod PS is connected to the crank OA at A. Rod PS slides through a pivot slider at S and is long enough not to slide out of its position. Find the locus of the endpoint 'P' on the rod as crank OA makes one whole revolution.



### Loci exercise crank and slider 2 - ANSWER

The diagram shows a crank mechanism OA which rotates around centre O. Rod PS slides through a pivot slider at S and is long enough not to slide out of its position. Find the locus of the endpoint 'P' on the rod as crank OA makes one whole revolution.

