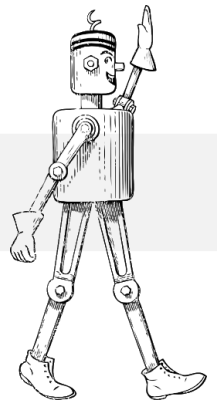


Hand sketch for brochures distributor robot



Overview:

Draw 3D sketch for a robot to distribute brochures, determining the mechanical techniques to hold and distribute the brochures.

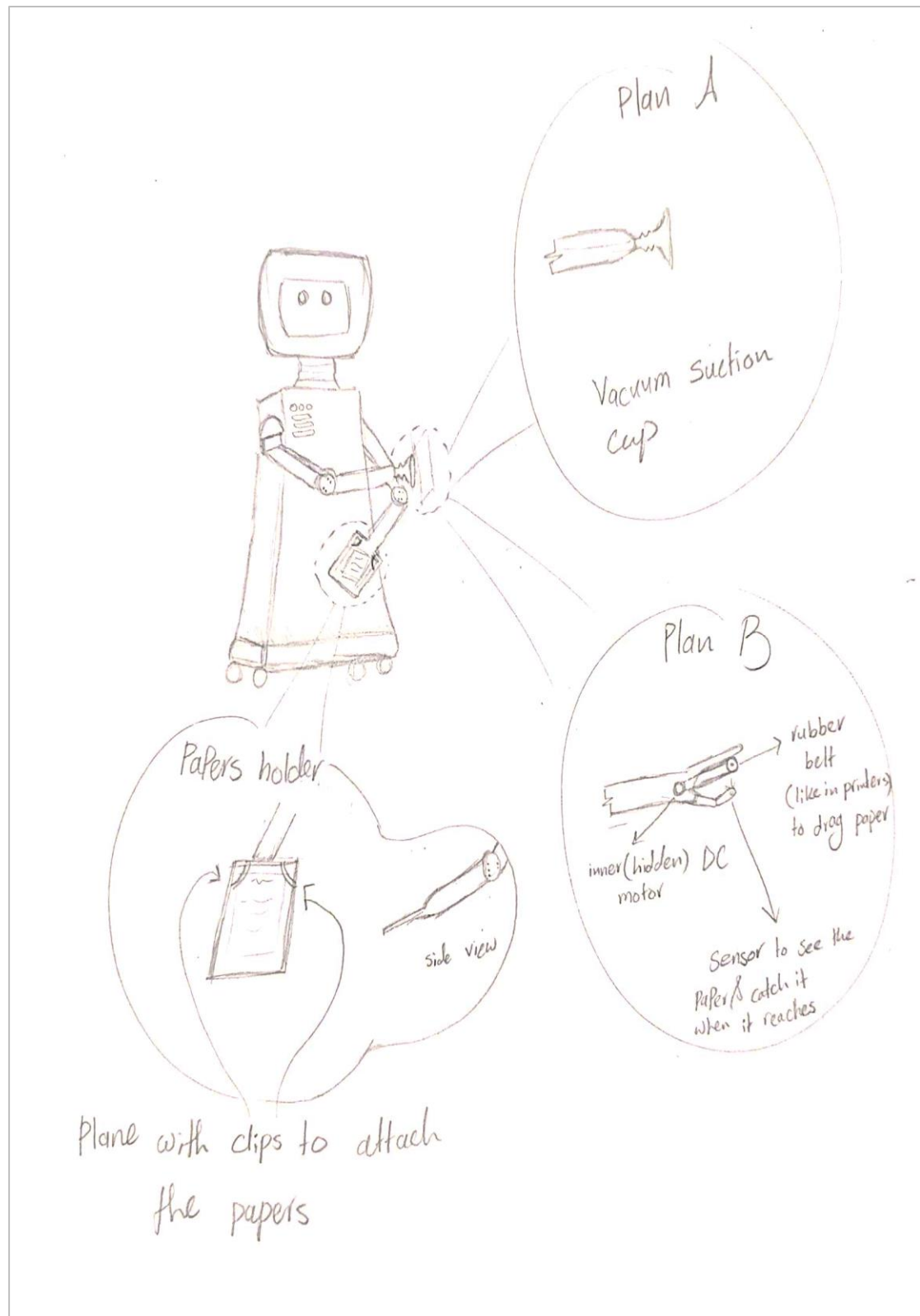
My design:

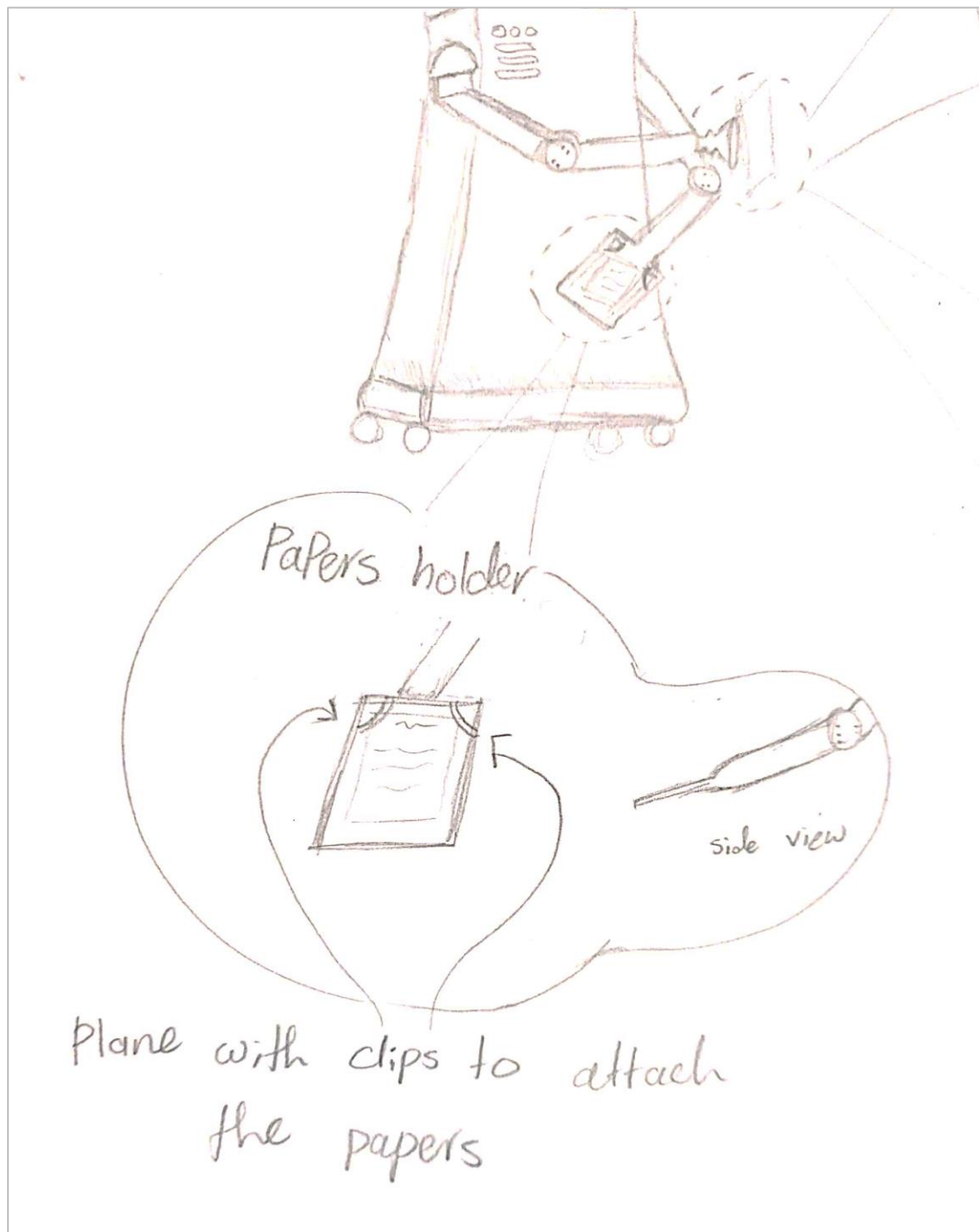
I designed a brochure holder, which is just a plane to hold the paper with clips in corners, and I designed 2 methods to take a brochure from the brochures' holder. The first is by the “**vacuum suction cup**”, the hand will attach one brochure and lift it when the human hand become close to take it (PIR sensor can be used). The second method is by using “**paper pickup roller**” -like in printers- in one end to drag one brochure from the holder and there will be a sensor (color sensor adjusted to the brochure color can be used) in the other end to make sure that the brochure reaches the right place to grip it and provide it to the customer.

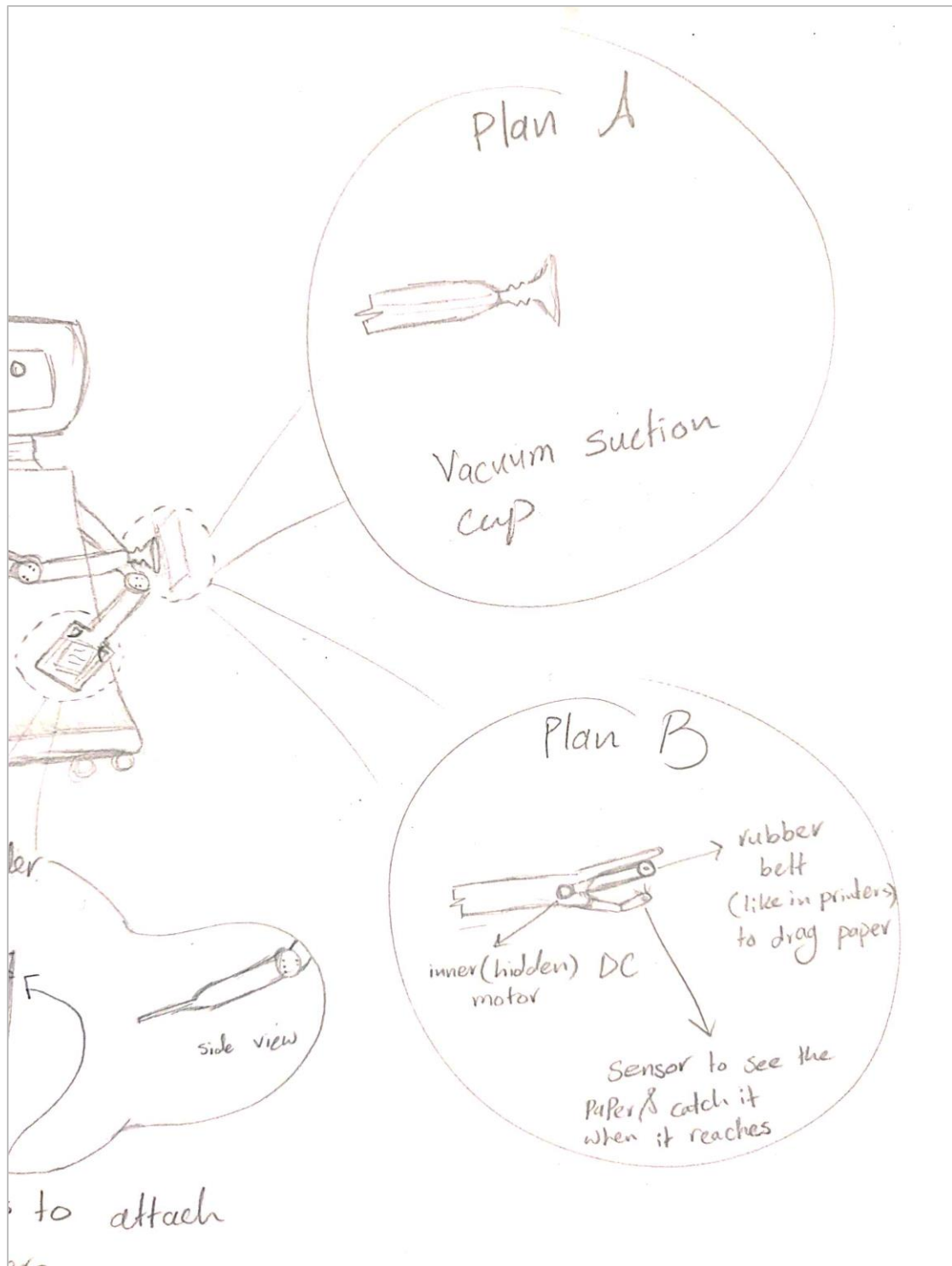
Helping pics to understand:

First Method “ vacuum suction cup ”	Second Method “ paper pickup roller ”

My design sketches:







Plan B

