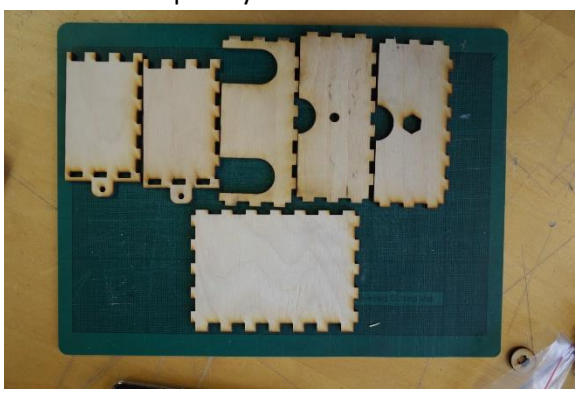
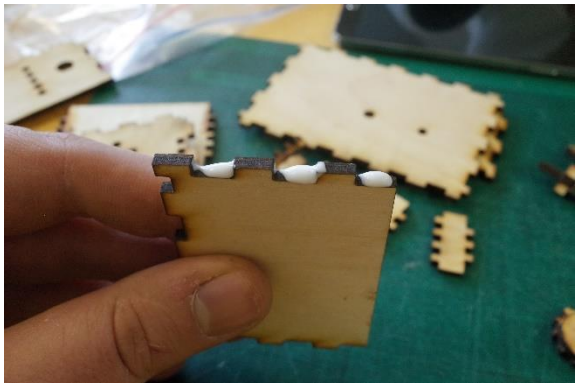
Pinhole camera build guide

Outer case:

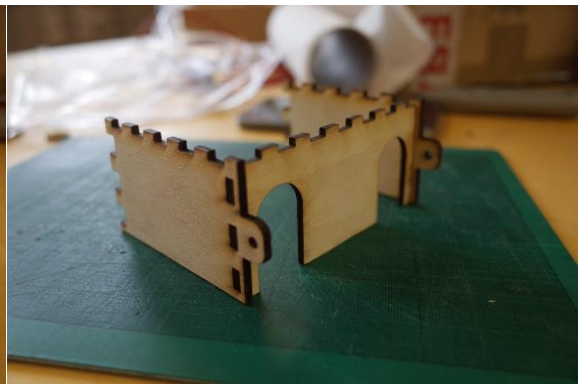
These are the parts you will need for the outer half of the case.



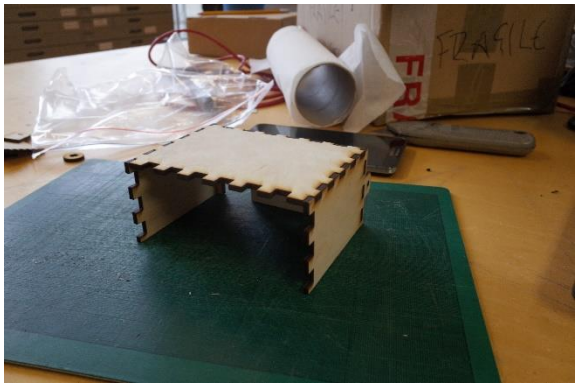
To glue the parts together, apply a small dab of glue to the inside parts of the joints as shown



Start by gluing the sides to the top panel.



Glue the back panel to the sides and top panels, making sure the longer prongs are at the bottom.



Glue the two bottom panels on, starting with the one with the circular hole.

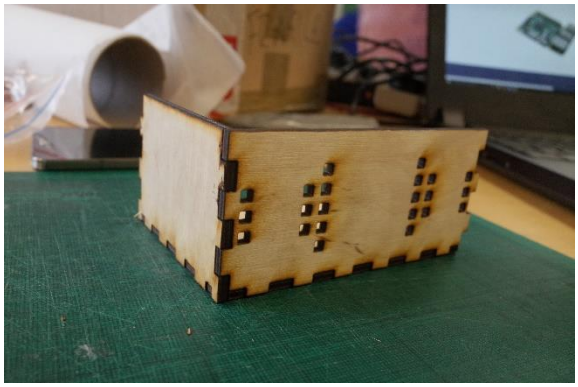
Set aside and leave to dry.

Inner Case:

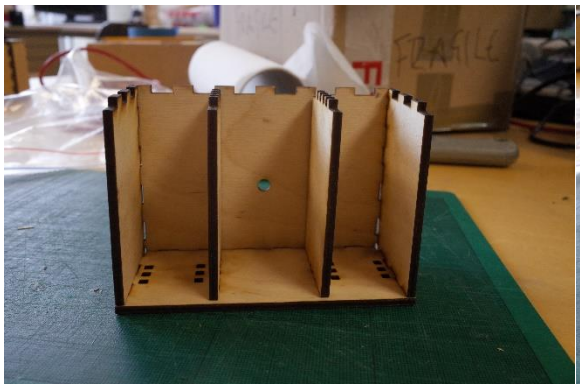
Start by finding these 4 pieces. Be aware there at 2 types, a tall pair and a short pair.

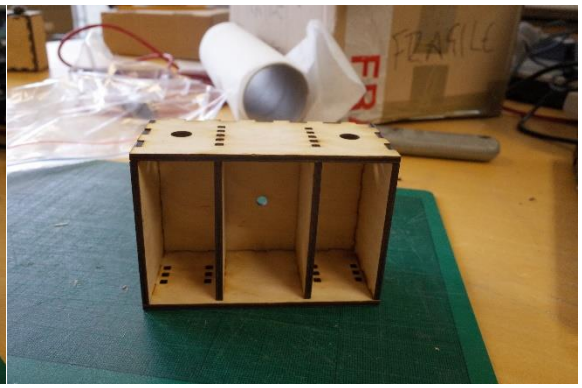
Glue them to the bottom panel, with the taller pair on the right hand side and add the top U shaped panel. (Sorry the pictures are in the wrong order, decided it was less fiddly to do it this way while test building it for the instructions)

Glue the side and front panels to the bottom panel. Make sure the front is on the correct way with the text at the bottom.



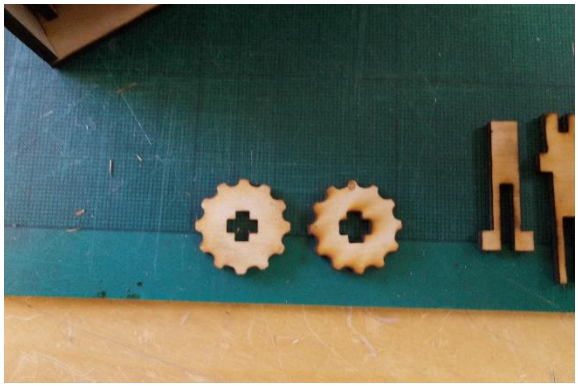
Glue in the frame dividers flowed by the top panel.





Paint the insides with a coat of blackboard paint and leave the glue and paint to dry.

After around half an hour when the paint is dry to the touch, it's time to add the winders. There are two different knobs, make sure the one with the engraved dot is used on the right hand side as it's used to work out how many turns on the knob you need to advance the film 1 frame.



Slot together the two long parts of the winders, put a spring in them and insert them through the holes in the top plate, keeping them in place with the roll of film and spool. Then glue the circular part of the knob on, with the knob with the engraved dot on the right hand side. As the glue dries, make sure to turn the knobs so they don't stick to the top plate of the camera.

Finally we'll tape in the pinhole, epoxy the tripod bolt to the bottom of the outer case and attach the shutter with a nut and bolt and the camera is ready to use.