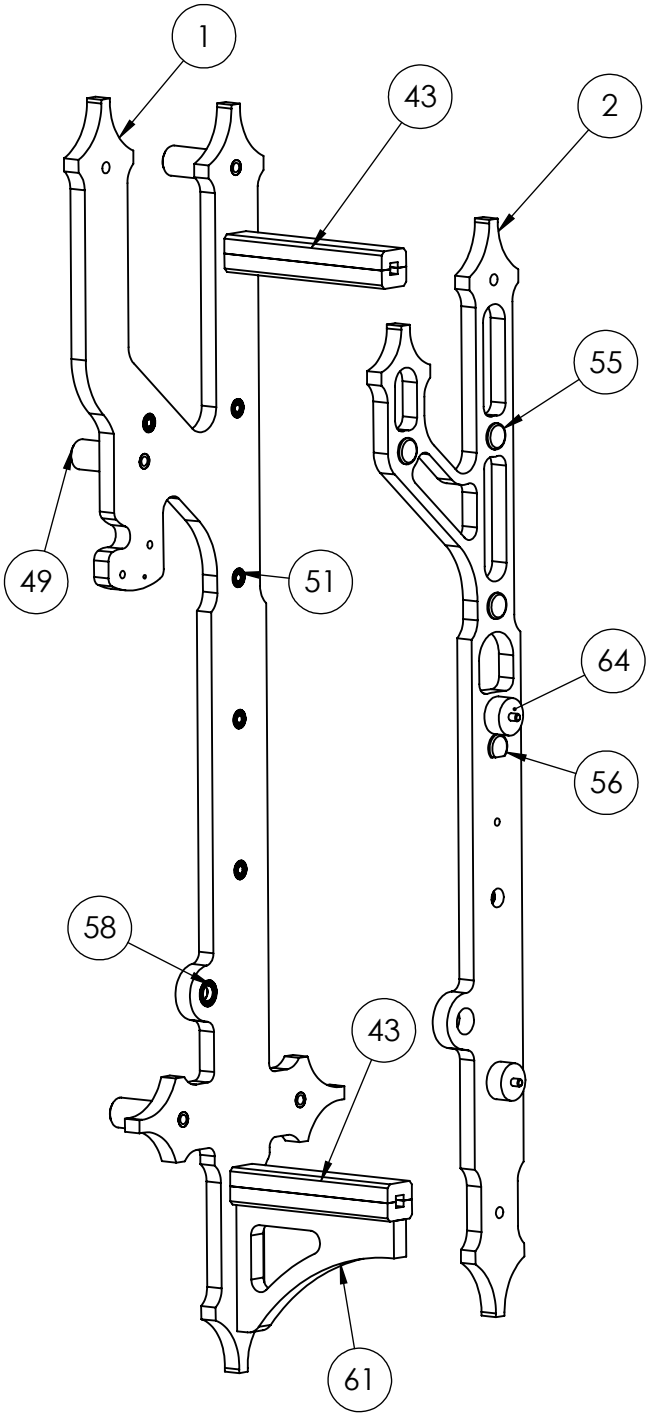
Brian Law's Wooden Clock 20 - Gravity Escapement Assembly Sequence

Stage 1 Assemble and glue all frame parts



First stage is to fix and glue all the parts that are attached to the Front and Back frames.
The bearing can be a tight press fit or be glued in place with Loctite.The Brace and the Spacers are glued to the Back Frame only. The wall spacers can be a tight fit in the Back frame or they can be glued.

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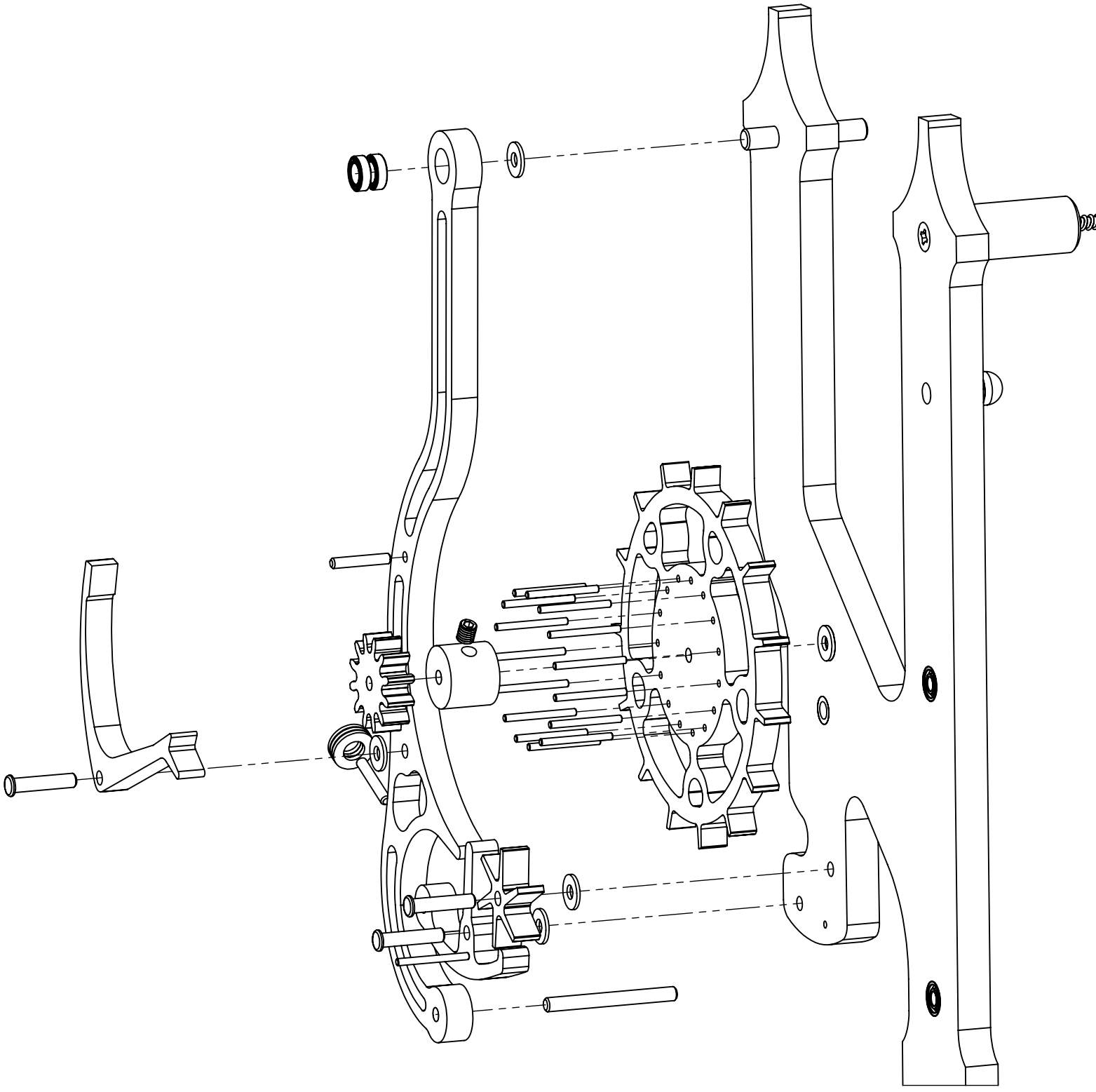
Stage 2 Assemble all Escapement parts



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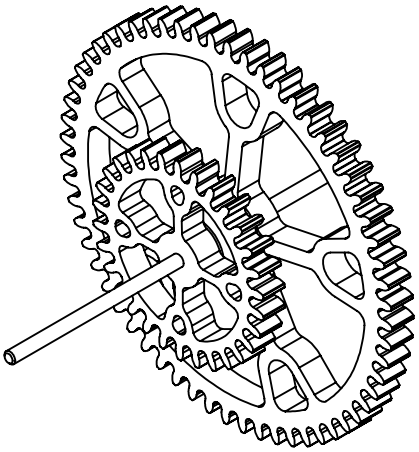
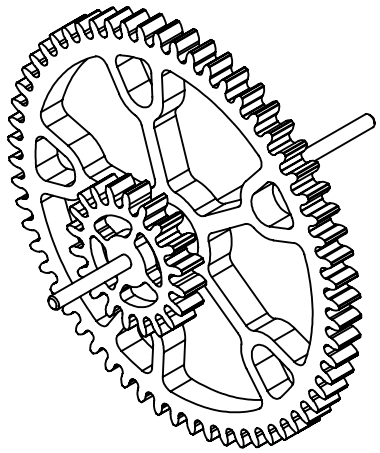
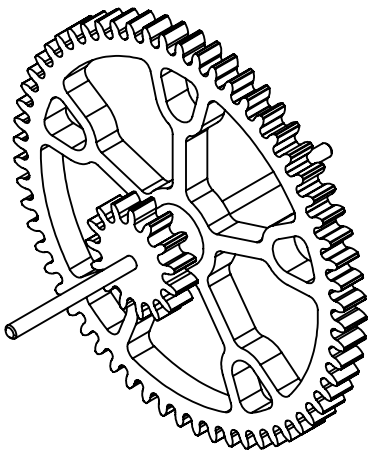
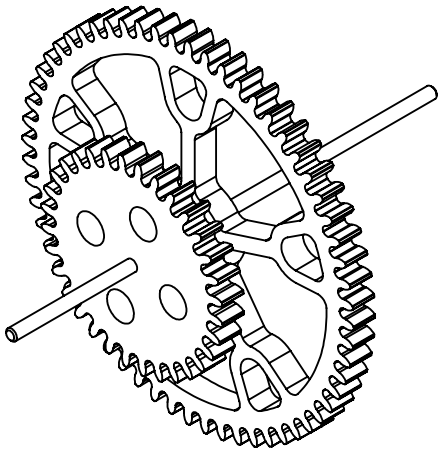
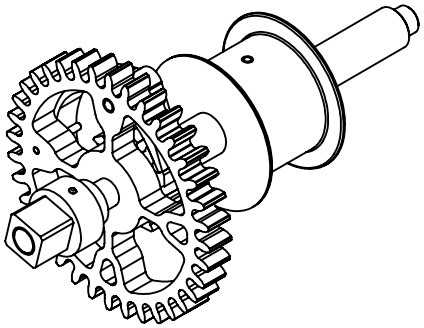
Stage 3 Assemble all Drive train sub assemblies











Assemble all Gear train Sub assemblies in accordance with the dimensions shown on the drawing Sheet 4.
The for top gears in the train comprise 2 gears and a spacer plus the shaft, They should be a tight fit on the shaft positioned according to the drawing and secured if necessary wit a grub screw through the spacer.
For the bottom assembly shown here which is Drive train 1 or the winder shaft consult the detailed drawing shown on sheet 4

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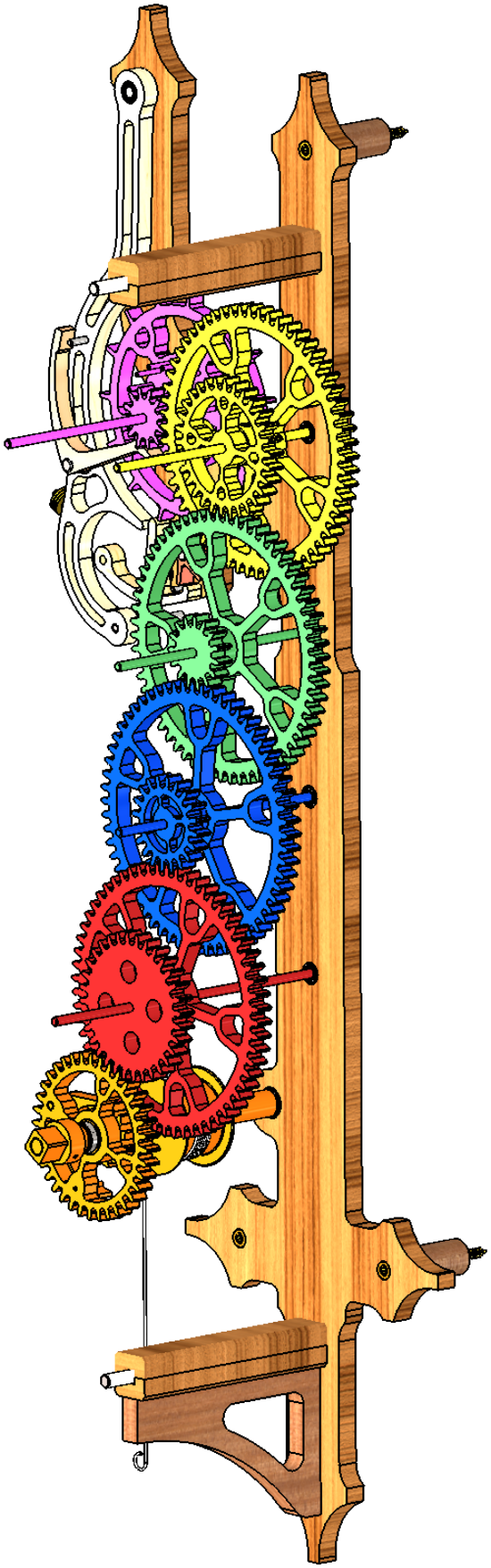
Stage 4 Assemble all Drive train to Back frame

Fit the drive train gear sub assemblies to the back frame starting at the top with the yellow gears.



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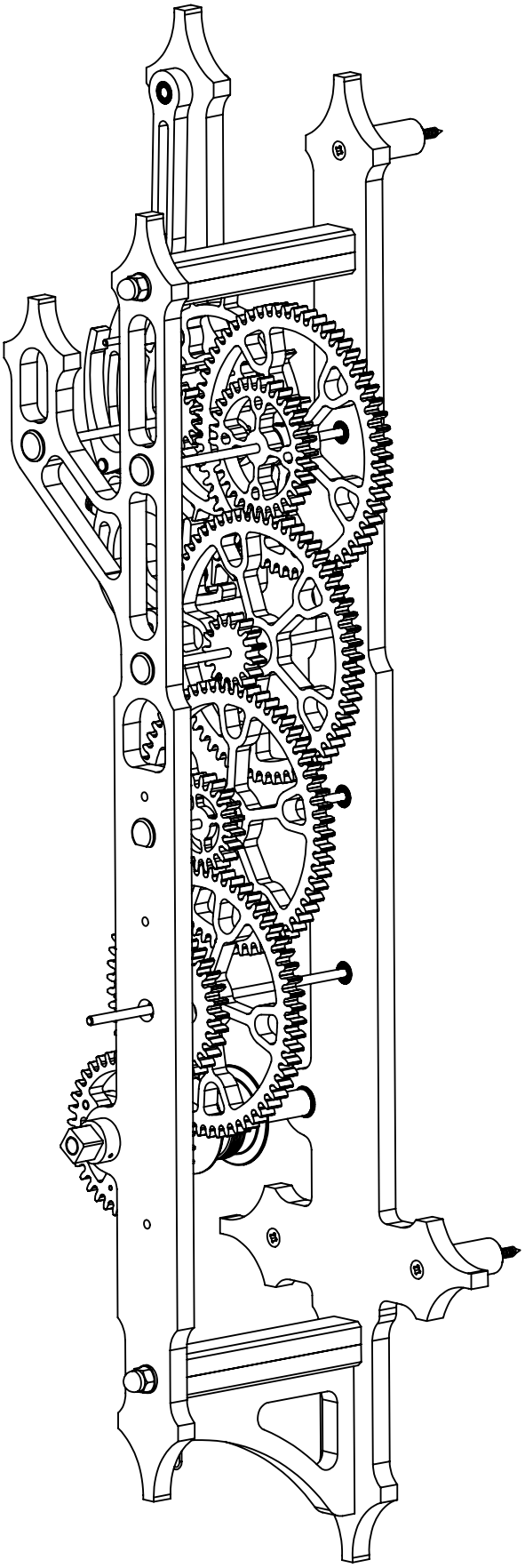
Stage 5 Assemble Front frame

Fit the front frame taking care to align all of the shafts with the bearings and press down until the frame toushes on the frame spacers. Secure with dimed nuts and washers onto the threaded rods passed through the Frame spacers. The squre ended winder stub should be fitted to the end of the winder sub assembly with a small 2mm pin.



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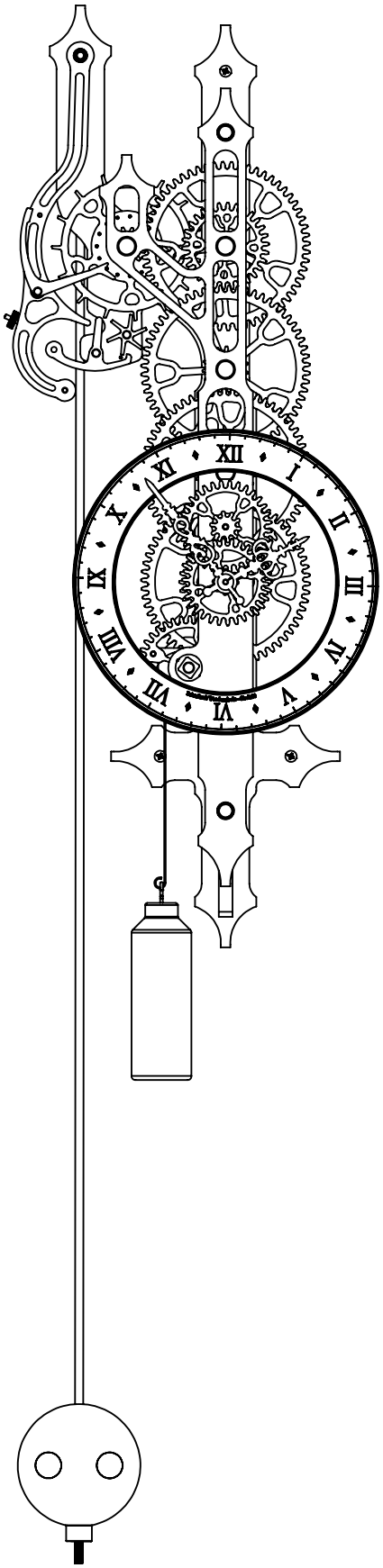
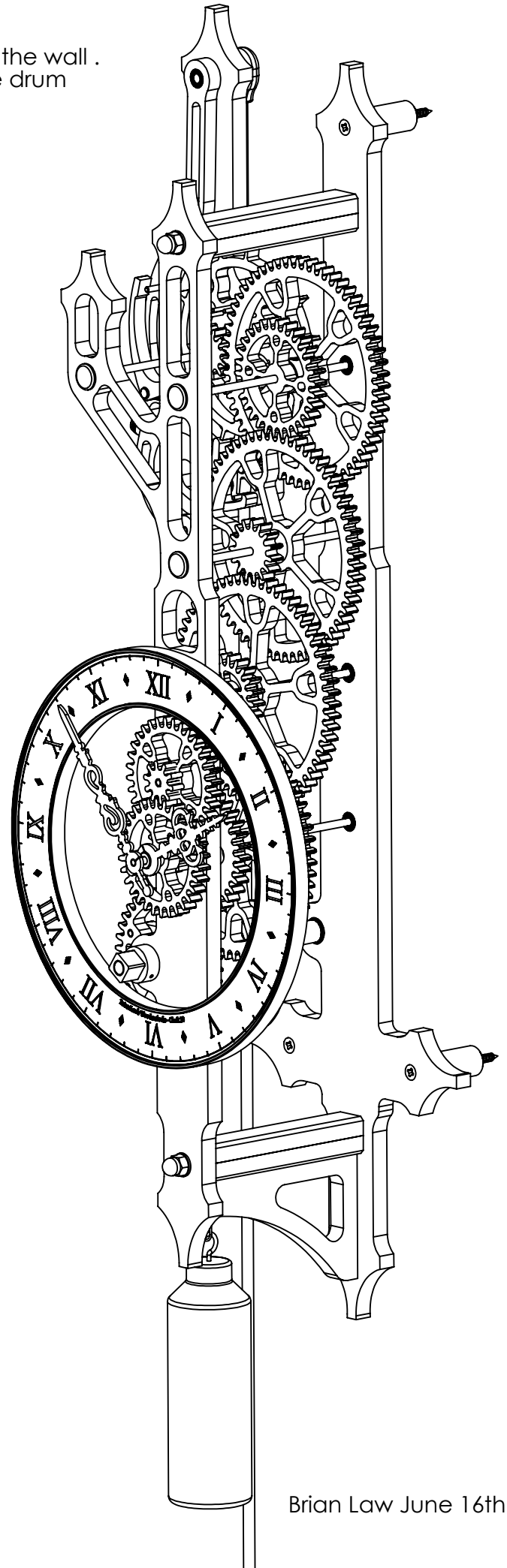
Stage 6 Assemble Fit pendulum, mount on the wall .
and fit weight to cord wrapped around the drum





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