

25TH JAN

Today was spent going through the various components finish sanding, sealing, waxing, polishing and finally allocating to a particular build. This means that all the less than perfect - or even outright 'damaged' but still functional - parts will all be on the one clock. The sorting has brought to light the fact that I've 'lost' a few components that I know have been made but I've been careless and dropped them whilst moving them around the workshop. I now have four containers to store the smaller parts so hopefully won't lose any more!



26TH - 27TH JAN

Working through 'fiddly' bits and pieces which of course take far longer than it seems they should. The Pendulum Rods are now 'pinned' to the Escape Wheel Latch/Lift and screwed to the 'Bob'.

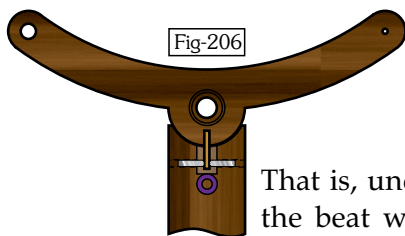
I've now started real assembly - using Glue - ie. no easy return to the previous state.

This has been a simple matter of fitting the various pads to the frame though I have also built the Escape Latch support and fitted the Frame Spacers so I can at least show an assembled frame complete with Pendulum. The Bearings are all fitted so hopefully I'll get the spindles & gears fitted tomorrow.

29TH - JAN

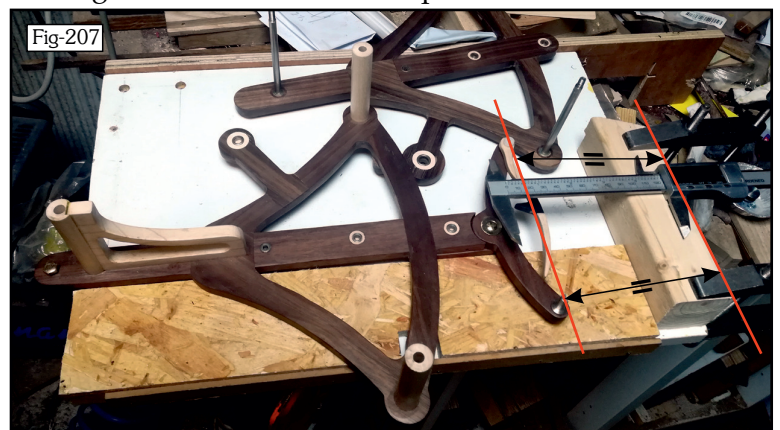
Nothing done yesterday but today I started by gluing in the Frame Brace and Spacers to the Rear Frame using the front Frame with the Spacing Rods as a clamping mechanism.

Once the glue had cured I could take the frame apart again and realized that I needed to make sure that the Latch & Finger Support was correctly aligned. This is the curved part at the top on which the Pendulum 'Finger' and the Escape 'Latch' are attached and there is a means of adjusting its position to bring the clock 'In Beat' but naturally it would best to have it in a central position to start with. This is achieved by using the two M3 grub screws either side of the Rear Frame which act upon a Brass plate --- a drawing paints a better picture! - Fig-206.



To achieve this 'balance' I had to make sure that the Frame was held exactly perpendicular to the axis of measurement so I lashed up a jig (Fig-207) with which I could measure the position of each 'pivot' accurately. That is between the two Red lines, the distance along the black lines must be equal.

That is, under ideal conditions, the beat will be Tic-Toc-Tic-Toc not Tic—Toc-Tic—Toc-Tic—Toc or any other variant!



The problem is that once the Clock is in use I have no control over the particular location and a fine adjustment becomes necessary. This is also why there is a fine adjustment for the Pendulum length since Gravity is not an absolute constant geographically.