



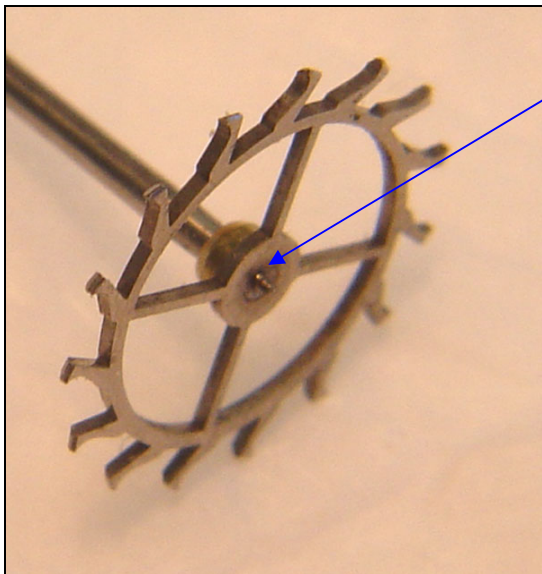
This giant carriage clock (10.5" high) with rack striking was made by Richard & Co, Paris & London circa 1903; this clock had been dropped at some time in the past and then poorly repaired. The clock needed a full service and extensive repairs to the platform escapement and movement as a whole.



A selection of some of the faults repaired on this clock.



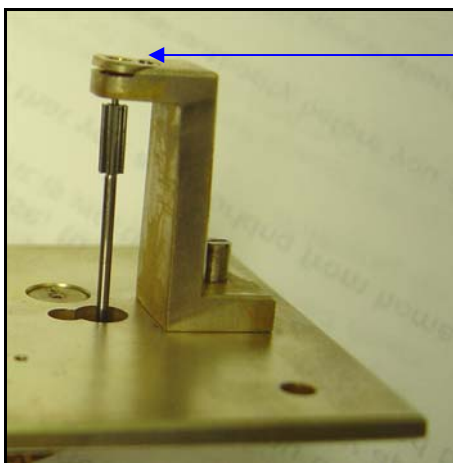
Damage to the hour wheel teeth caused by excessive pressure while trying to set the hands while the strike was locked? These were carefully straightened.



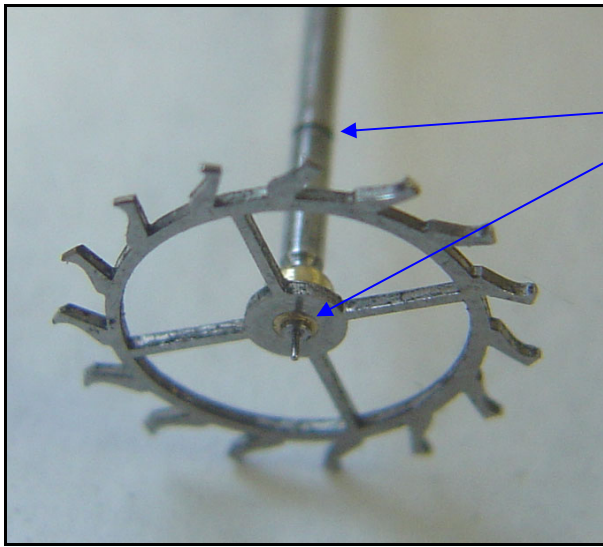
The top pivot was found to be very short, this had been damaged in the fall; the repairer had fitted a chaton type jewel to the top cock rather than re-pivot this arbor. This gave a better chance of utilising this very short and damaged pivot.

I decided to remove the escape wheel from the arbor and remake it to the correct length. I spliced in a new end on the arbor and reformed the pivot and replaced the jewellery with a larger press in type.

Other jewels on the platform were found to be cracked and also needed replacement.



The end stone was not fitting correctly on the bottom cock as the wrong type of jewel had been fitted



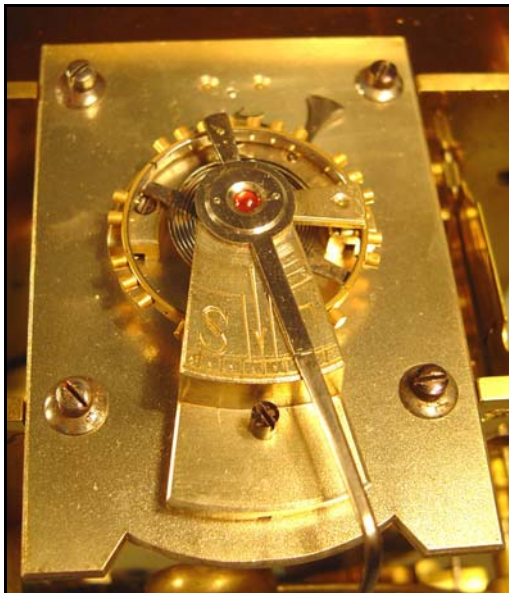
This picture shows the new end fitted to the escape wheel arbor and a new longer pivot

A new brass collet was made to hold the wheel

A new jewel ready to be pressed into the top cock



The reassembled platform escapement now back together



The back plate of the clock after fitting several new bushes



A back view of the Richard clock after the restoration work was completed. The clock had not seen much service work in its 100 year life but was now running well.