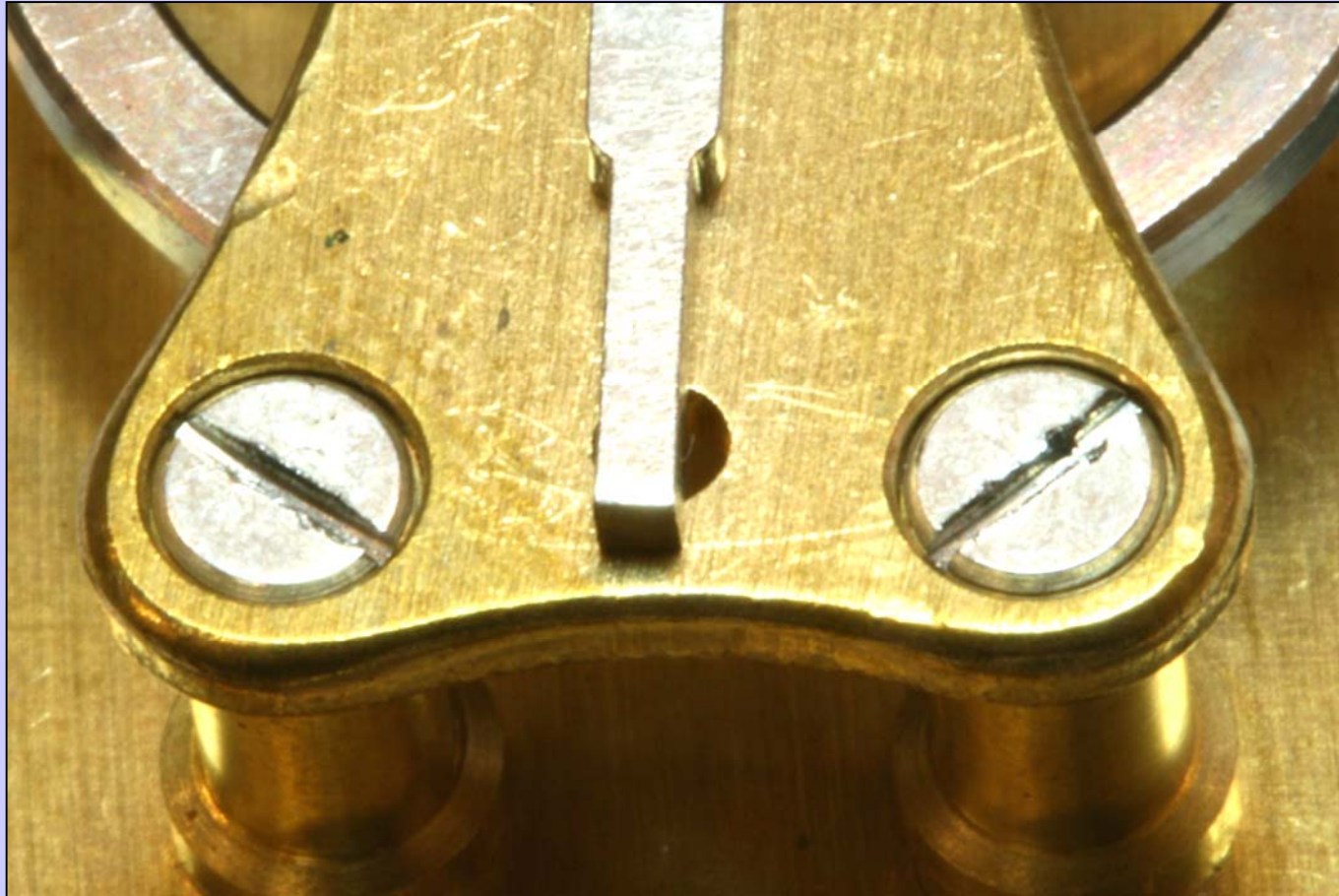


Unit 12 requires the candidate to make a balance staff for a platform escapement and various watch parts including a stem.



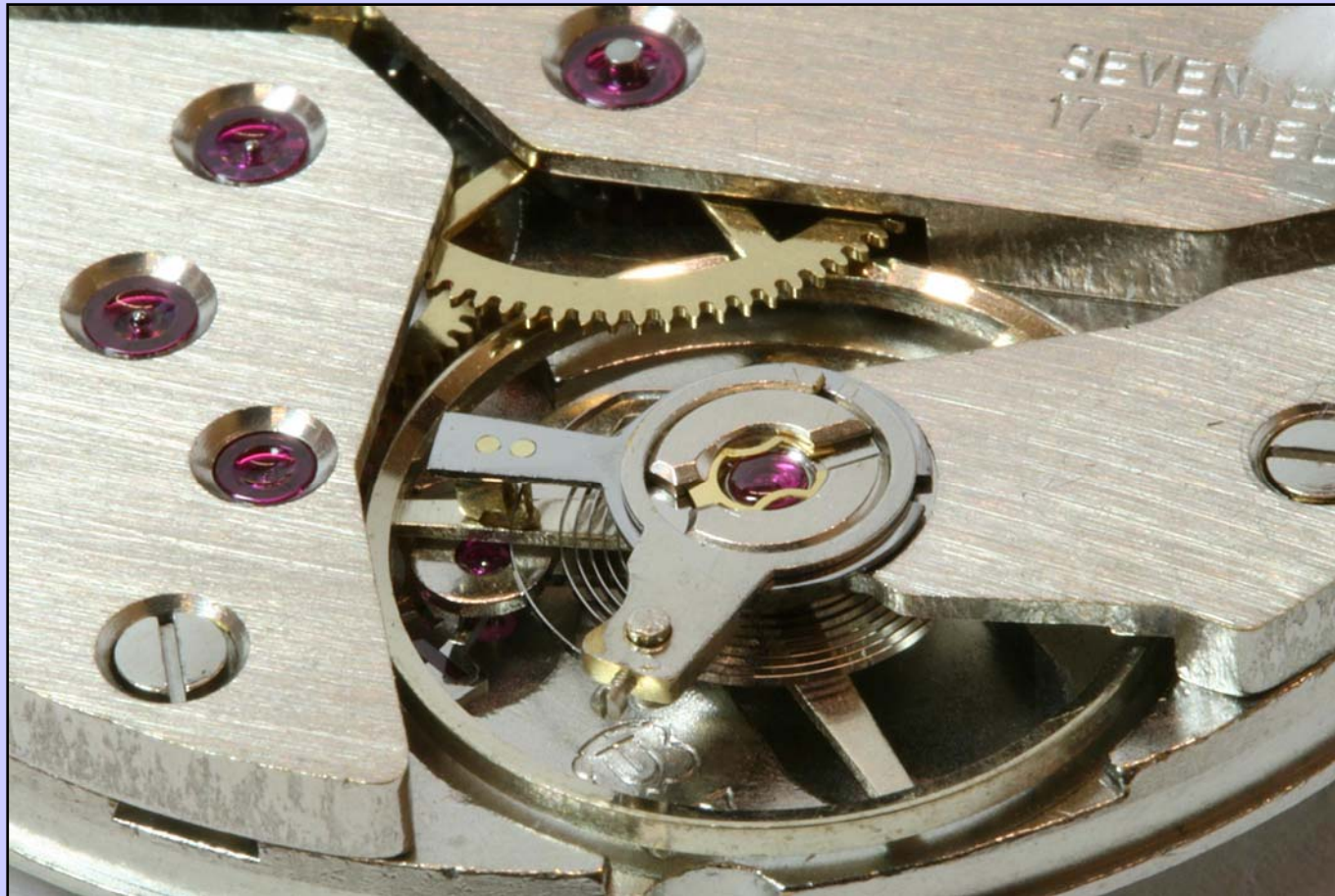
One aspect that is assessed is damage. The platform escapements are new. Avoid damaging components - screws, hairspring collet, etc..



Take especial care with the screws; you will need to remove them a numbers of times. Make sure that your screwdriver fits the slot correctly.



The slot in the collet has been badly damaged. Is the collet too tight on the balance staff ?



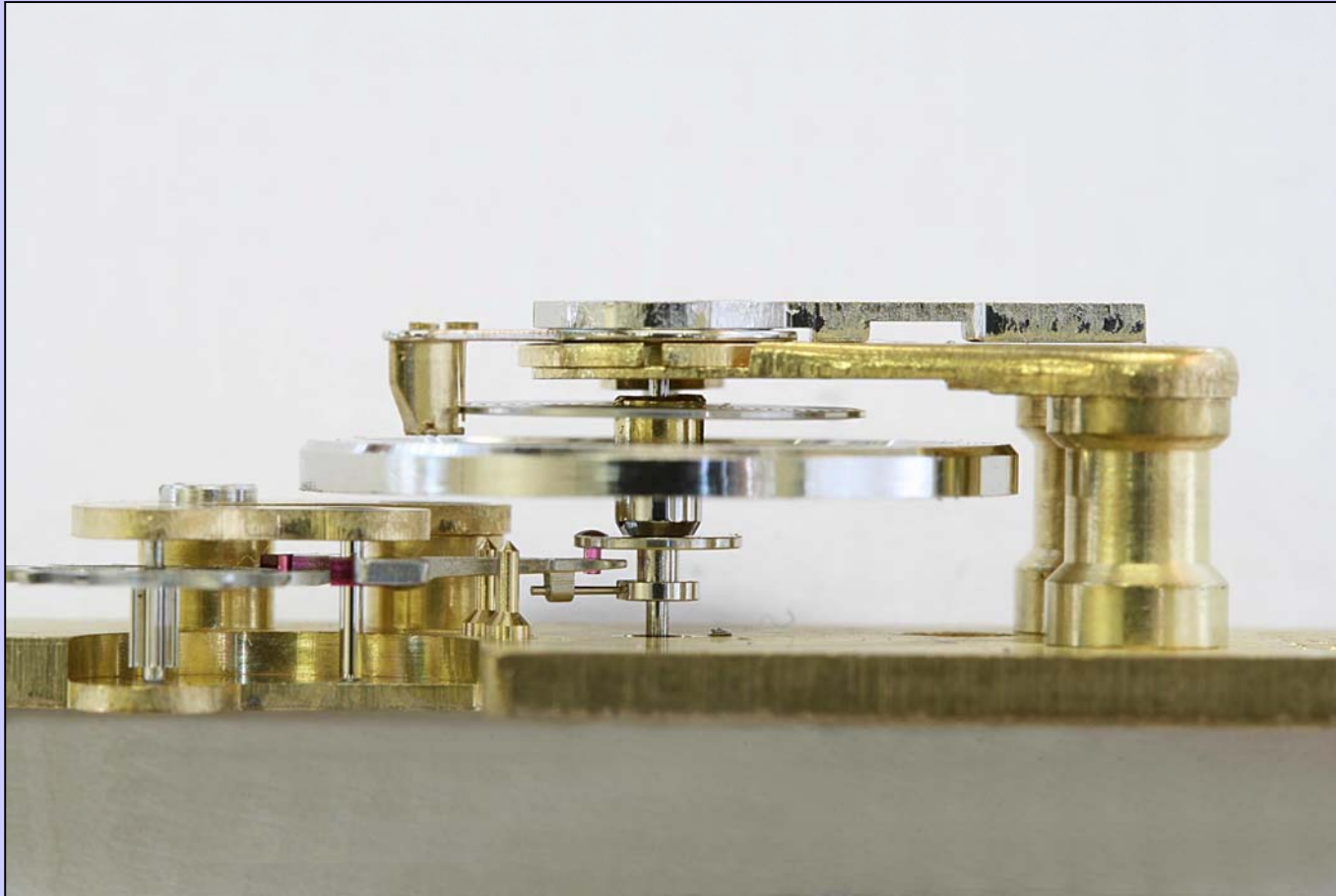
Making a new “index ring” - the boot and curb pin are neatly riveted in position and there is little sign of damage to the “stud ring”



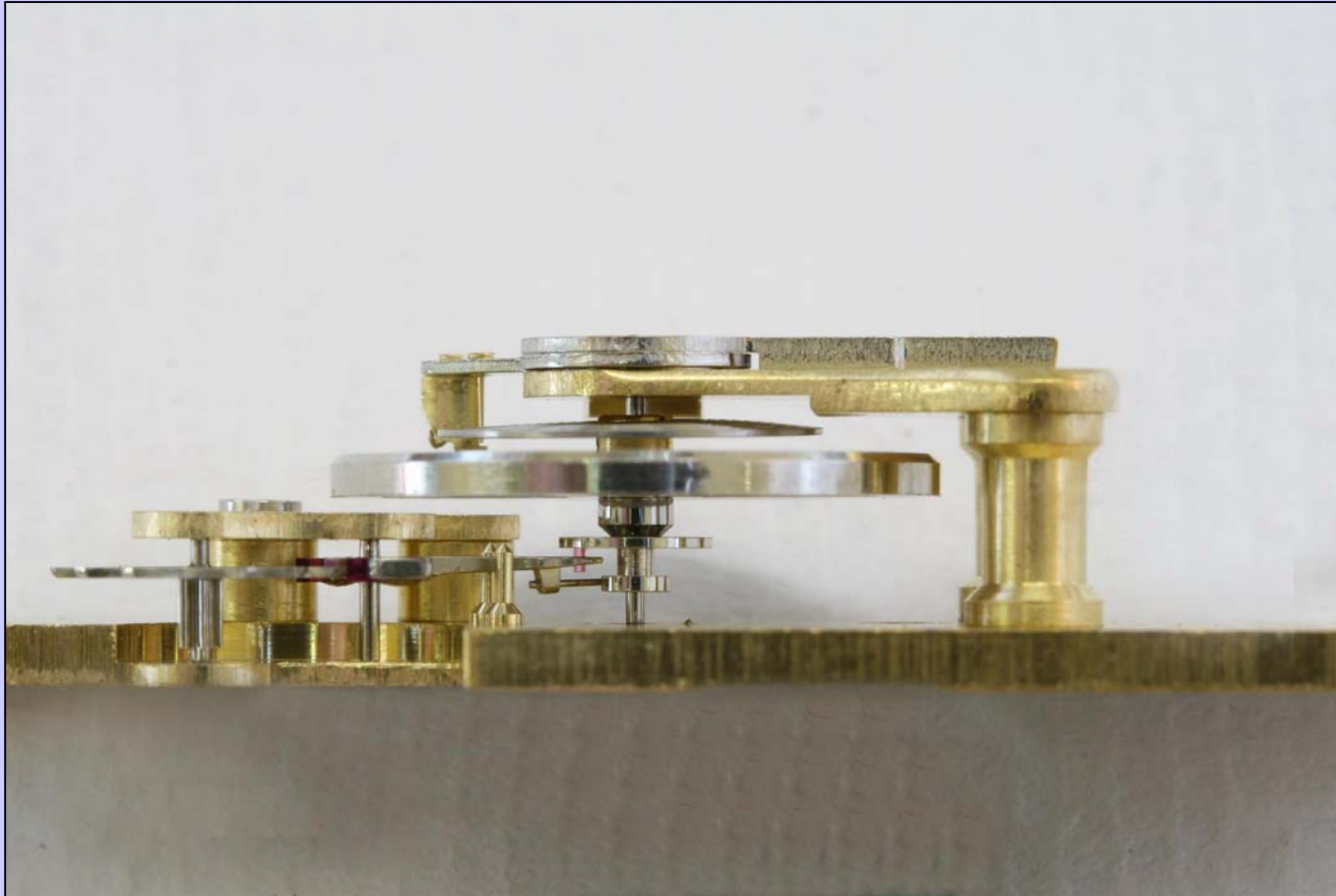
The rivets for the boot and curb pin are not equal in size and there are distinct signs of damage to the “stud ring”.



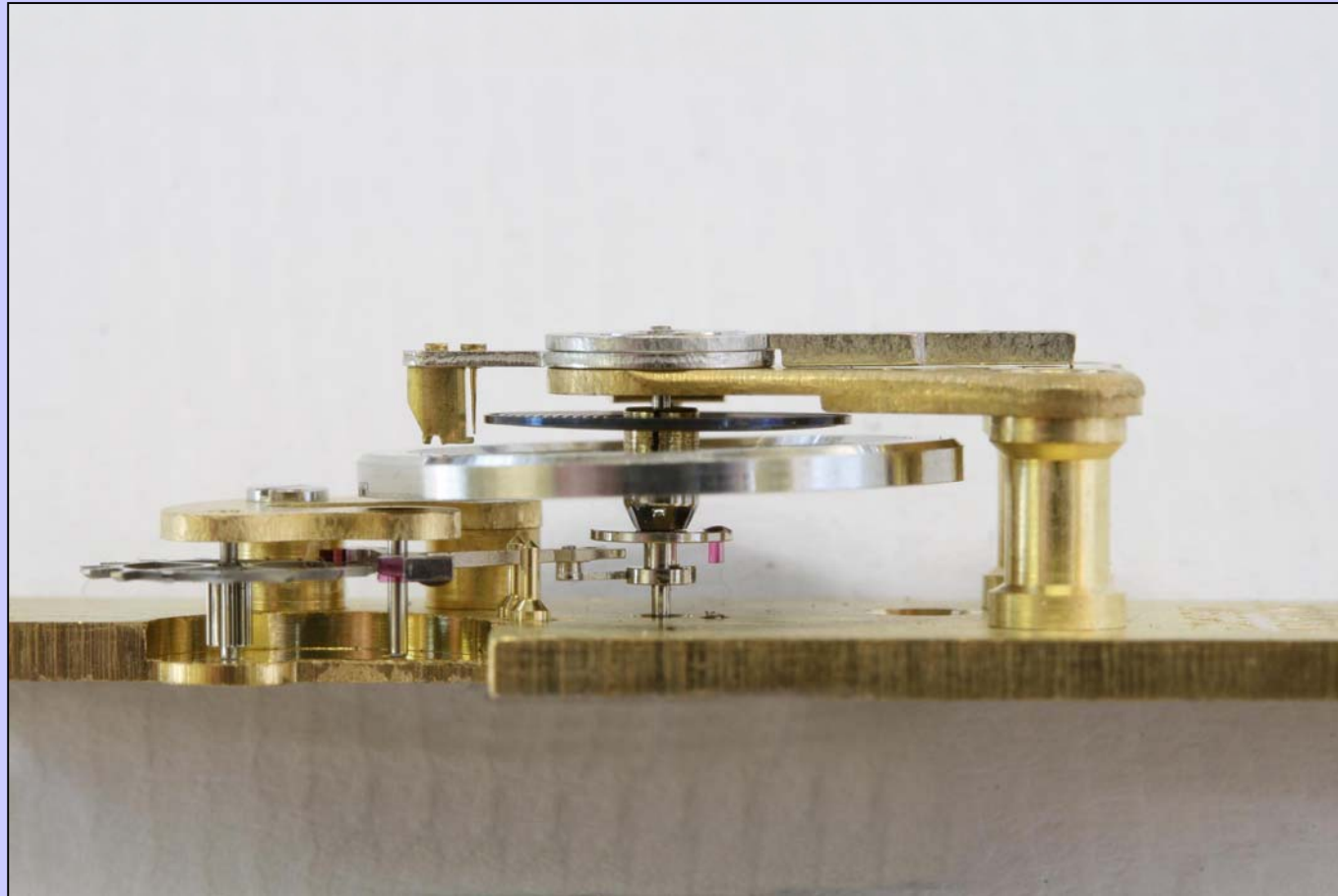
One rivet does not fill the countersink and there are definite signs of damage to the “stud ring”.



Making the balance staff. The balance spring should be flat and the guard pin aligned at the centre of the safety roller.



All details must be correct. This balance spring is not flat and the roller is slightly low for the guard pin.



The balance is not “flat”; it is loose and the escapement has not been adjusted for beat. It would not work - not “fit for purpose”.



The stem is missing. Candidates make a replacement stem.
The shoulder at the end of this square is very rounded.



This is not “fit for purpose”. The groove which engages the setting lever is too deep making the stem very weak; scale remains after hardening.