

Horologix



The place to come for all your Bulle and Eureka restoration parts.

Contact Peter Smith
Telephone 01454-880825
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Bulle Clock Serial Number 3567

Restoration of Bulle Clock Serial Number 3567

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Photos by kind permission of the owner

An early tall movement on a round wood base. The hands are later replacements as is the base and cord around the coil cover. The dial is in good condition with just the odd mark.



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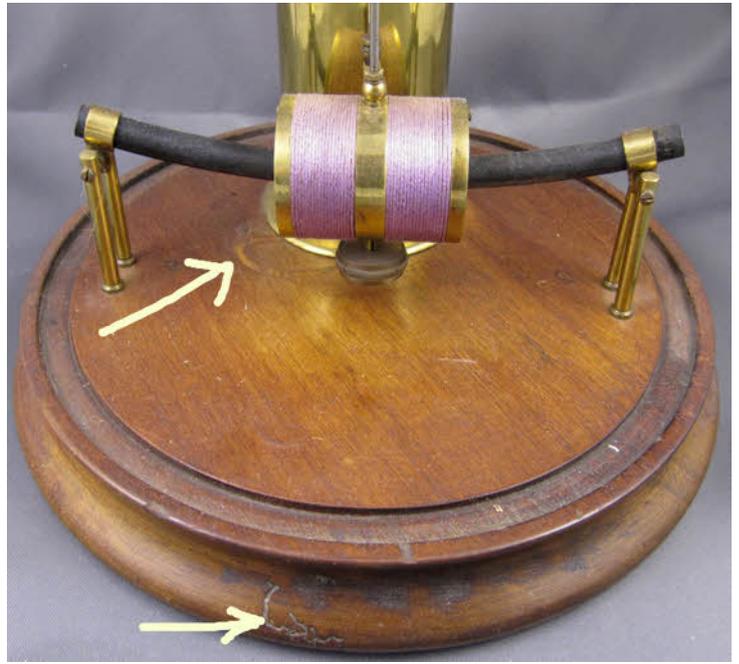
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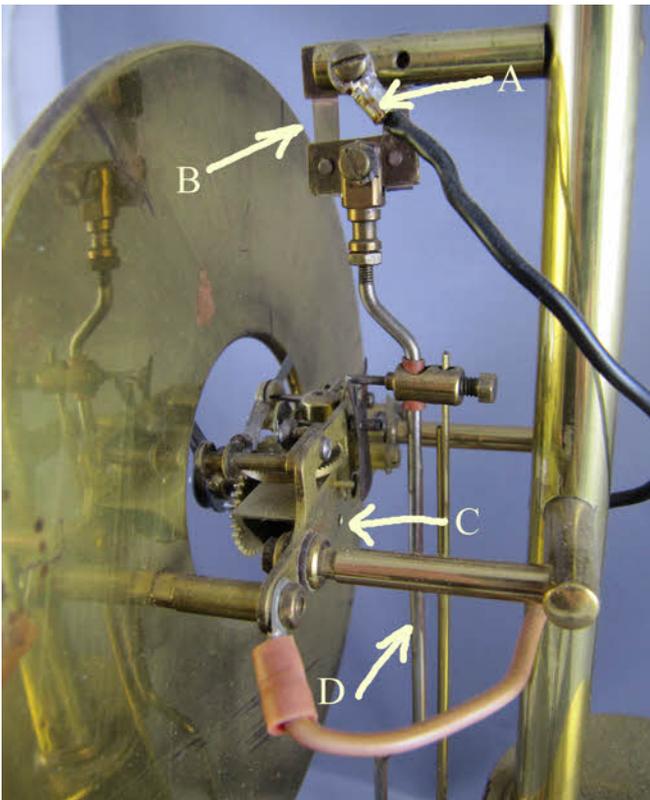
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The column looks to have a few problems as can be seen in the streaks above, although this may be just tarnish on a poorly lacquered brass.



The replacement base has some gouges and the tell tale sign of woodworm. But the owners wish to keep it as the dome is also a replacement and will only fit this base.



The photo on the left shows A) the negative side of the battery is connected in the wrong place . It should be using one of the screws securing the column to the base. At B) the suspension is poorly made of steel and is much too long. The screws are also wrong and will be replaced. C) shows the location of the missing top bracket for the Isochron Spring while D) shows the location of the missing lower Isochron bracket.



This photo shows the bottom of the base which has small bun feet and no height adjusting screw. Note also the rough poorly made brass battery cover.

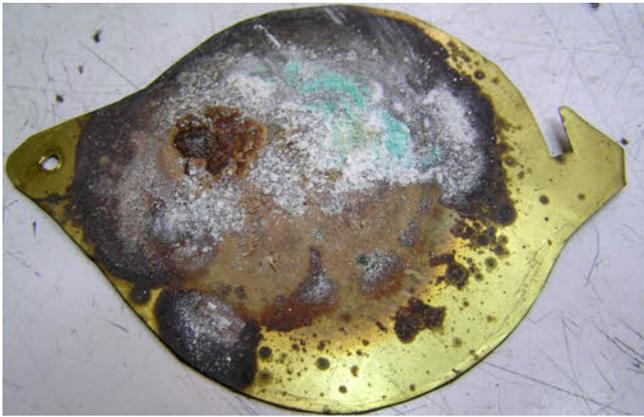
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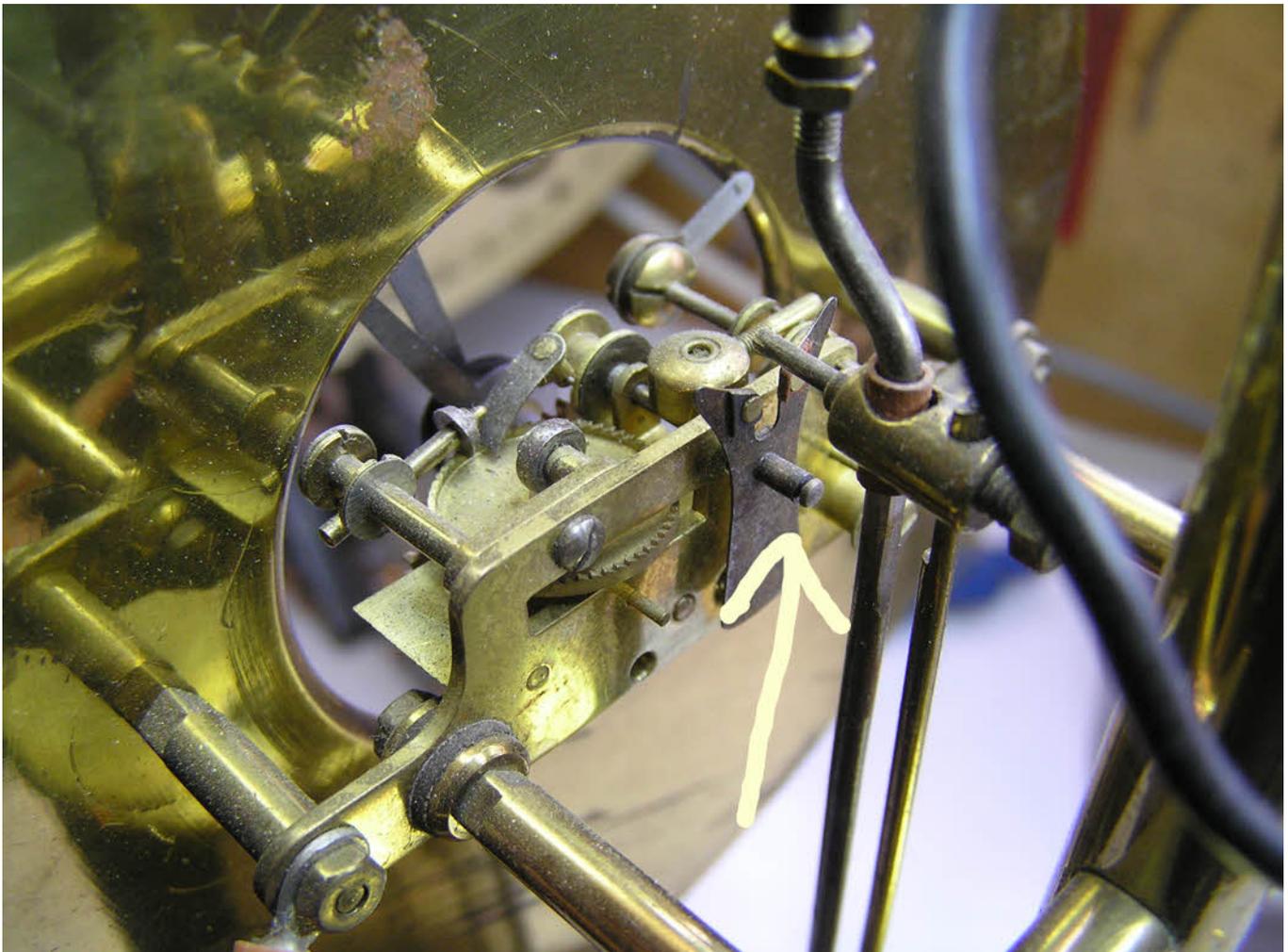
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The underside of the battery cover shows that the clock has had a bad attack of battery acid. But we will be discarding the cover anyway and making a new one.



Above can be seen the replacement hands and a replacement hour motion wheel. All will be replaced. Below shows the rear of the movement and the missing Contact spring.



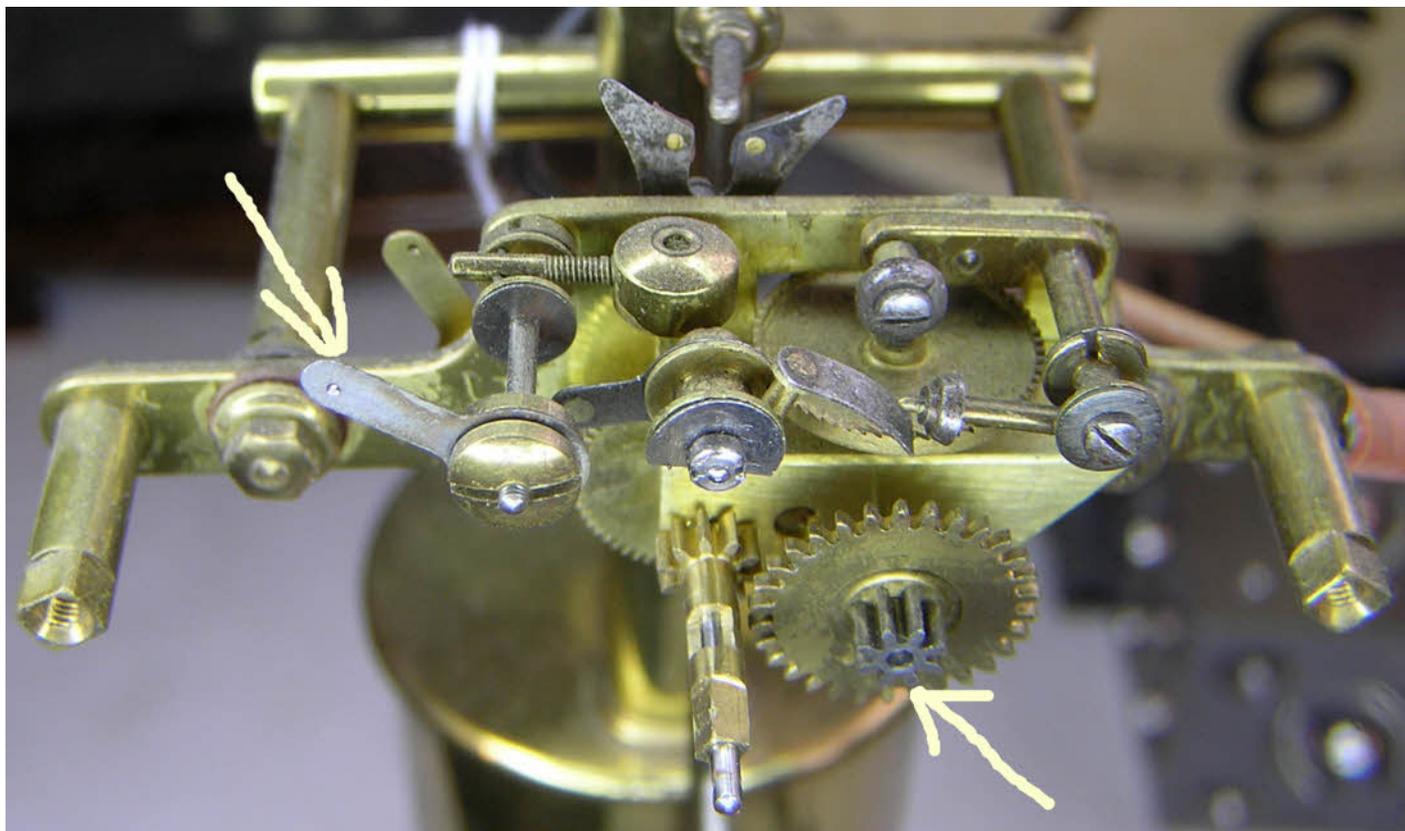
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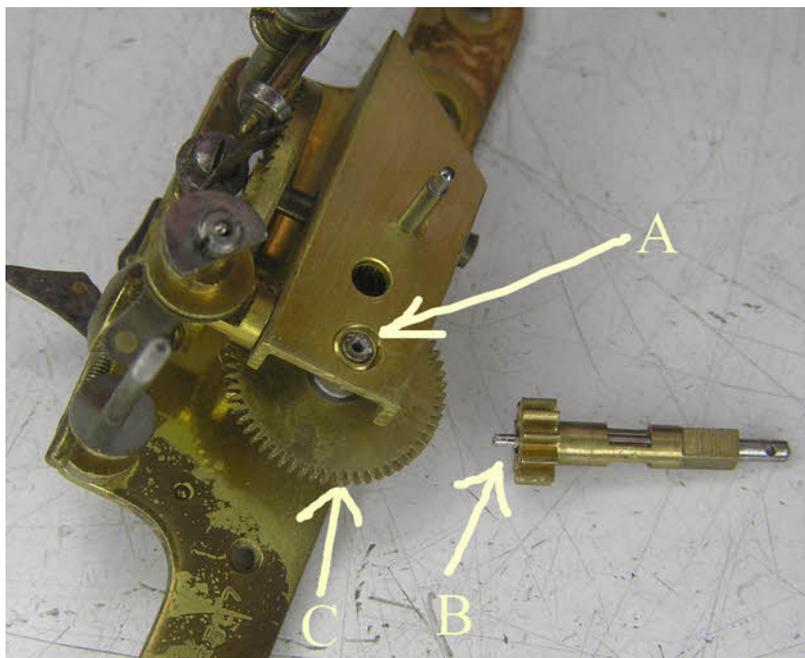
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This photo shows the front of the movement with the fork arbour stop at the 10 o'clock position instead of immediately in front of the fork arbour. The second arrow shows the intermediate motion wheel fully forward on it's stub arbour because of a missing collar. Another item to be made.



This is unfortunate. The centre arbour has been snapped off sometime in the past and a repairer has tried to fix the two parts by drilling and fitting a pin. The repairer also decided to solder the the canon pinion to the arbour. Why? When the wheel C) was checked it was found to be off centre due to being hammered. This meant that the engagement to the worm wheel was alternately too shallow and then too deep. Another wheel will have to be cut.

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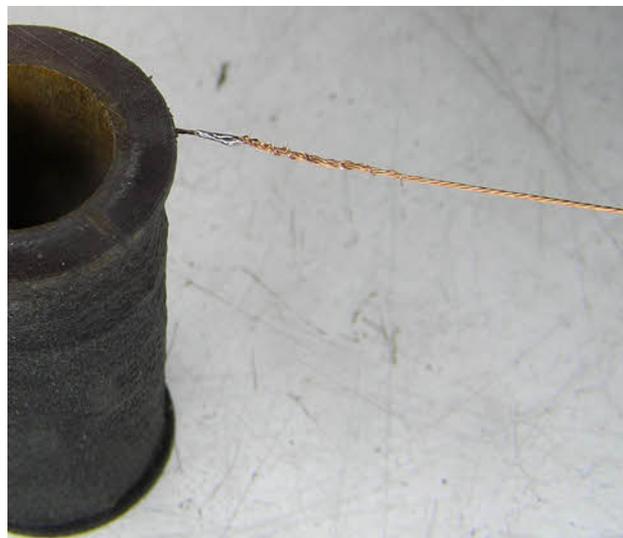
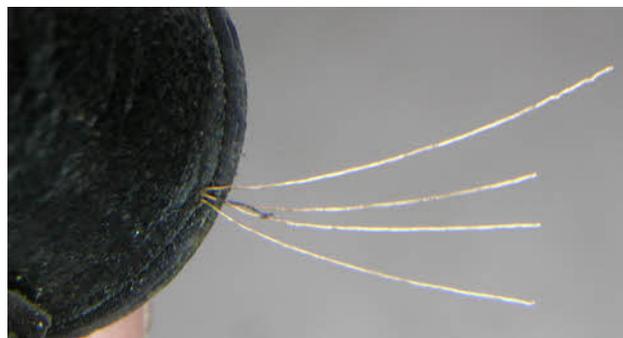
The fork and arbour after cleaning ready for new contacts.

Below shows the coil after cutting away the corroded ends of the lead out wire. New ones have been twisted and soldered in place.

Finally the fork arbour is quite rusted with both the silver and fibre contacts worn. I will endeavour to clean up the fork and replace the contacts.



The coil casing after cleaning and winding with green cord.



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These photos shows the base after cleaning, filling and polishing. The steel feet have been replaced with wooden bun type feet and levelling screw. The new battery cover has been fashioned from plate steel as per the original. So although the base is a replacement, it is now more in line with an original Bulle base allowing the clock to be levelled on uneven surfaces.

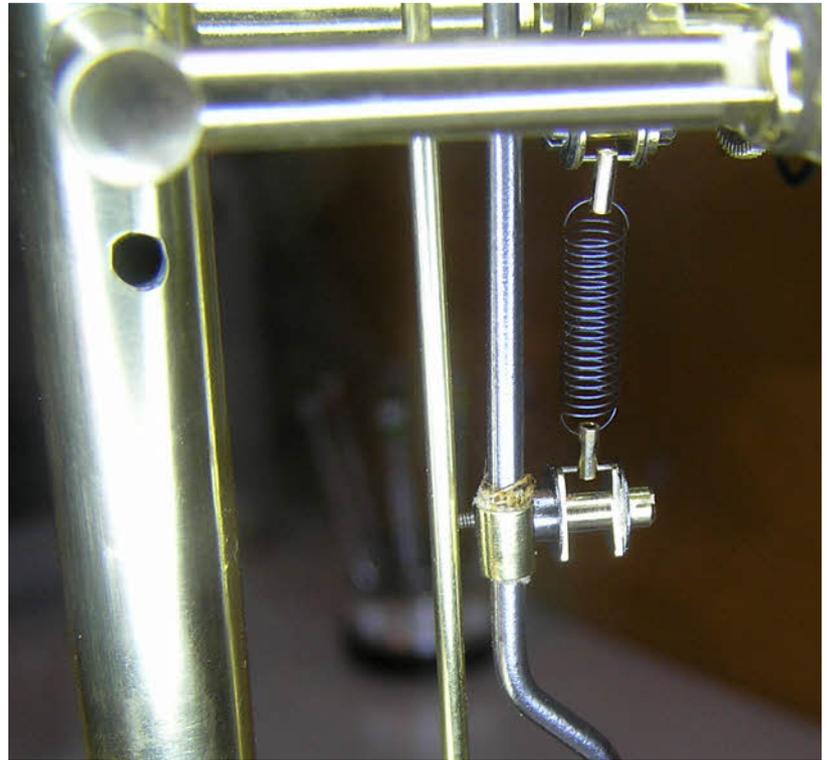
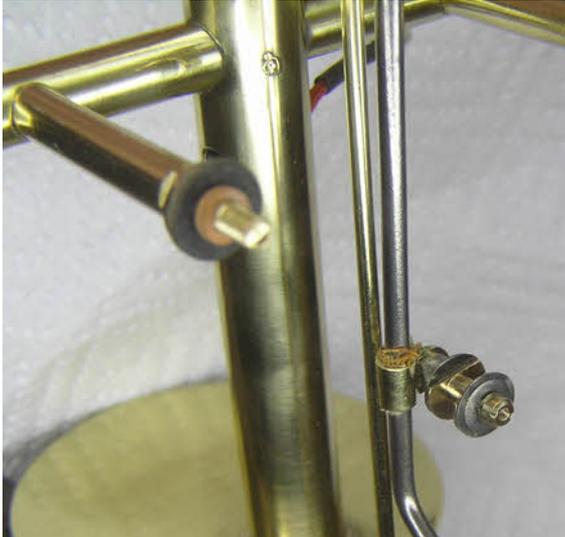
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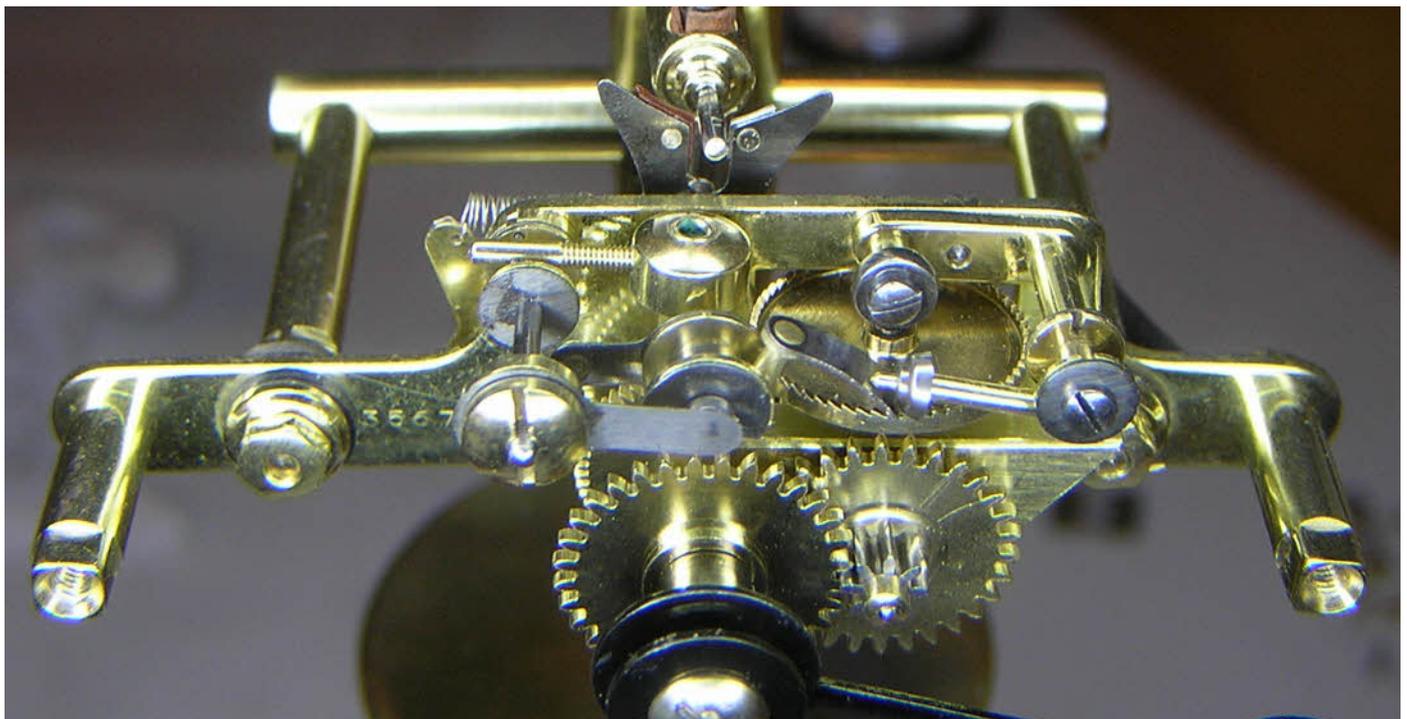
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These two photos show the new Isochron top and bottom brackets with a new spring in place.

Below is the movement back in place with new centre arbour and wheel. Note the fork arbour end stop in its correct position as 3 o'clock.



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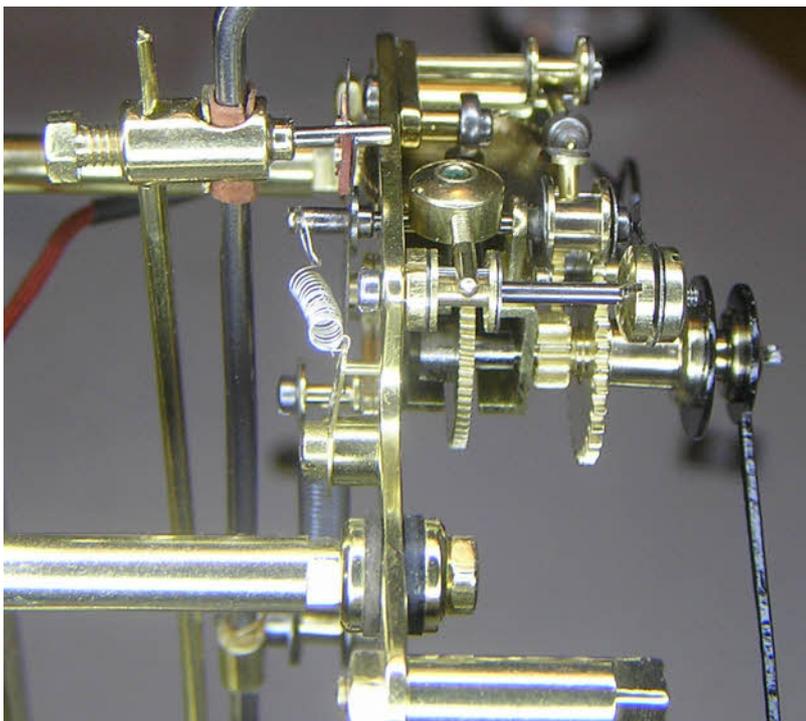
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At left is the dial and new hands.

Below is a side view of the finished clock. Although the column had a lot of acid damage inside it was cleaned right out with just a few pin holes reaching the outside surface which polished up well with just a few visible marks.



Above is a view of the movement in place.



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The finished clock