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

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Bulle Clock Serial Number 276016

*Restoration of Bulle Clock
Serial Number 276016*

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Photos by kind permission of the owner.

This clockette sits on a round mahogany base under a glass dome (not supplied). The dial and hands are in good condition as is the base. The magnet looks a little distressed with rust but it should clean up nicely and look good after a coat of grate black.

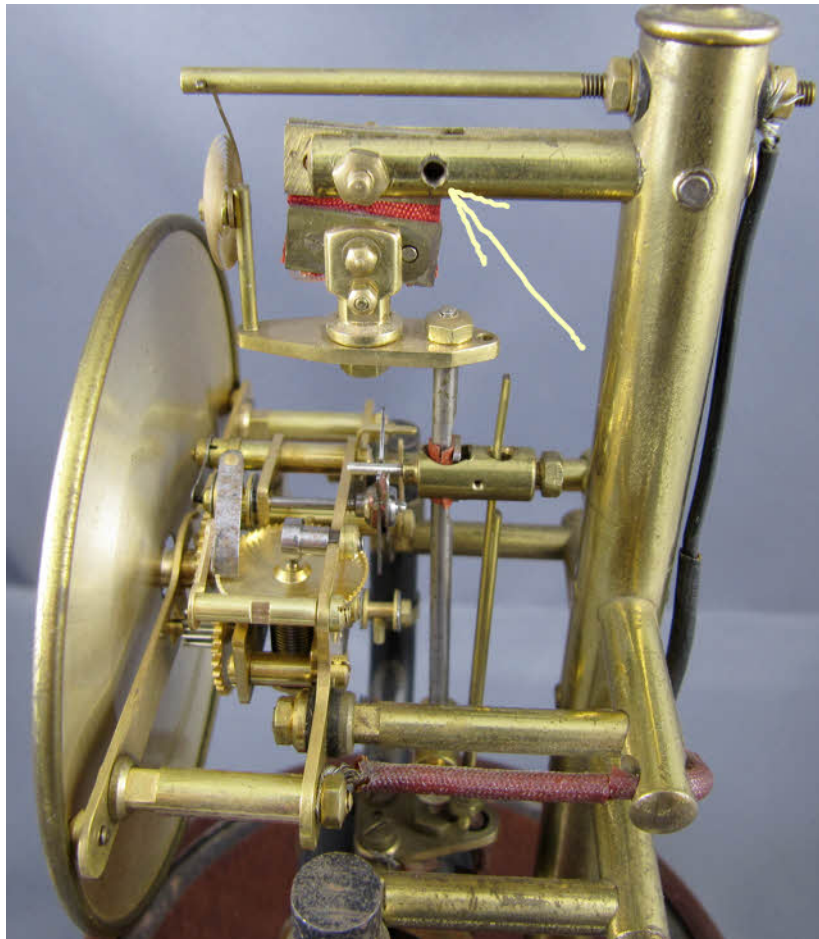
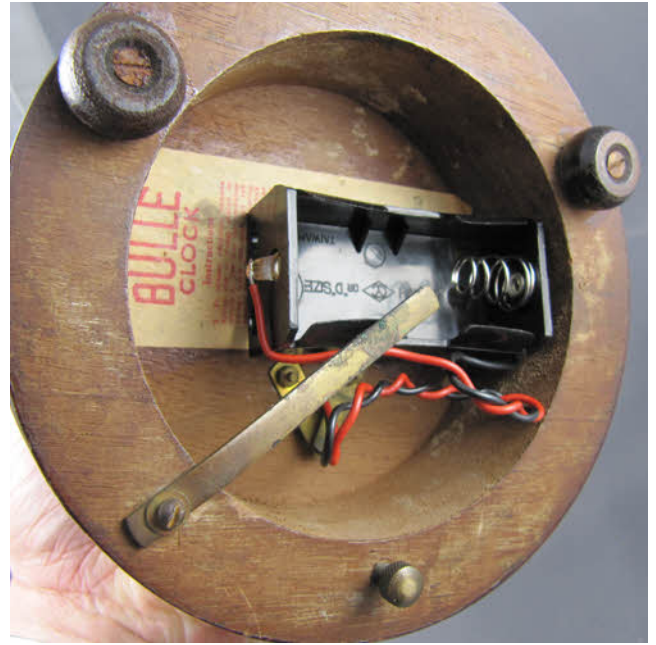
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The photos above show the top and underside of the base which is in very good condition. It will only require a wax polish which should revive the existing finish to a nice sheen. There are no major chips or scratches. The underside retains its original label.

The photo on the left shows the movement and suspension. Note that the two blued steel suspension adjusting screws are missing and will need to be manufactured. The suspension itself will also need replacing.. The rest of the clock looks to be in good condition with no major damage or missing parts.

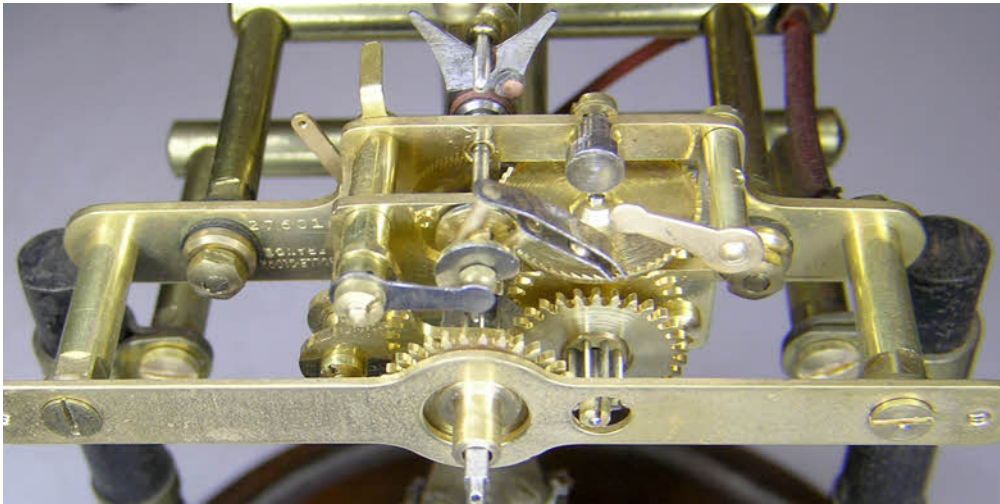
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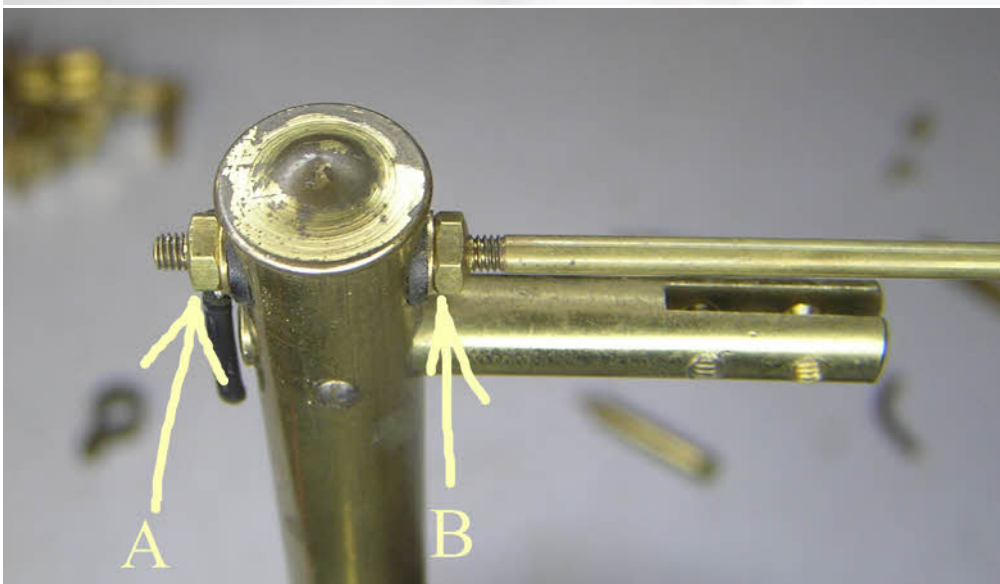
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A shot of the front of the movement. All seems OK except for the missing silver contact spring



The magnet is just showing signs of rust which will easily be removed.



In this photo we see the standard method of retaining the arbour that carries the power to the hair spring over the pendulum. It is not satisfactory as it is impossible to tighten the nut (A) enough to grip the power wire from the battery without damaging the insulating washers through the column., It is better to have two nuts at (A), one which is tightened against (B) to hold the arbour and the other to tighten fully to hold the wire. (See later photo).

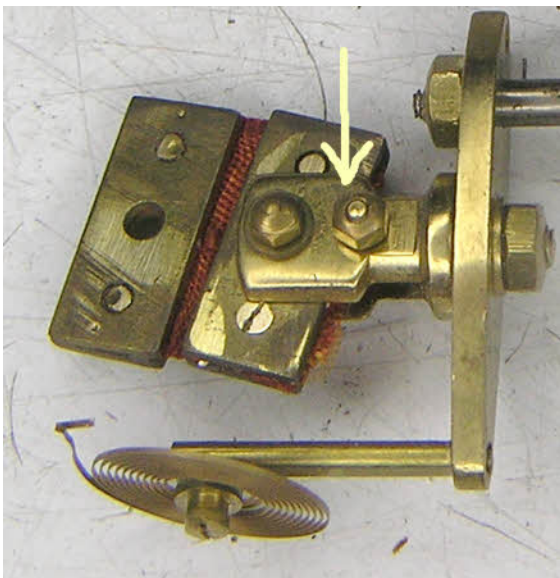
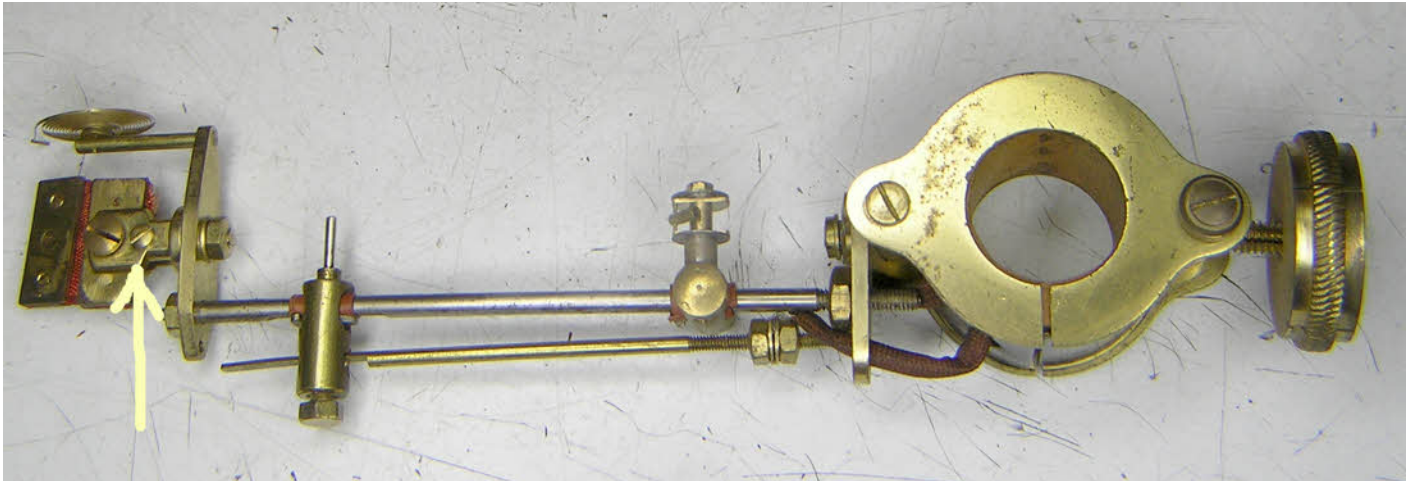
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Above we see the full pendulum. It's interesting to note that some clockette pendulums have the extra screw and nut (arrowed) which exist to pull together the two cheeks of the lower suspension assembly. This was found to be necessary because if the cheeks were too loose and left a gap between the cheeks and the suspension itself then there was a tendency for the pendulum to twist as it oscillated side to side. The pendulum would then have a pronounced wiggle at one or both ends of its swing. The screw allowed the gap to be minimised and locked.



Here we see the coil with the damaged and weakened was insulating sleeves. These will be replaced. The coil though is in good condition reading 1190 Ohms.

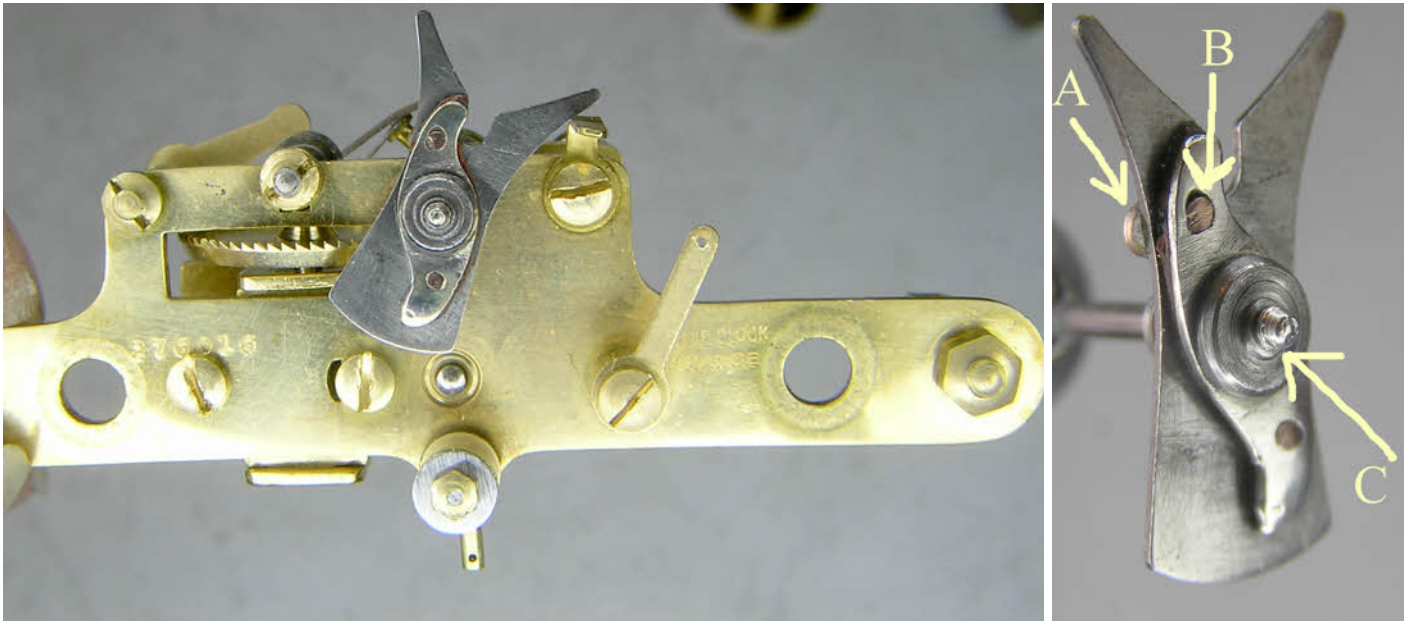
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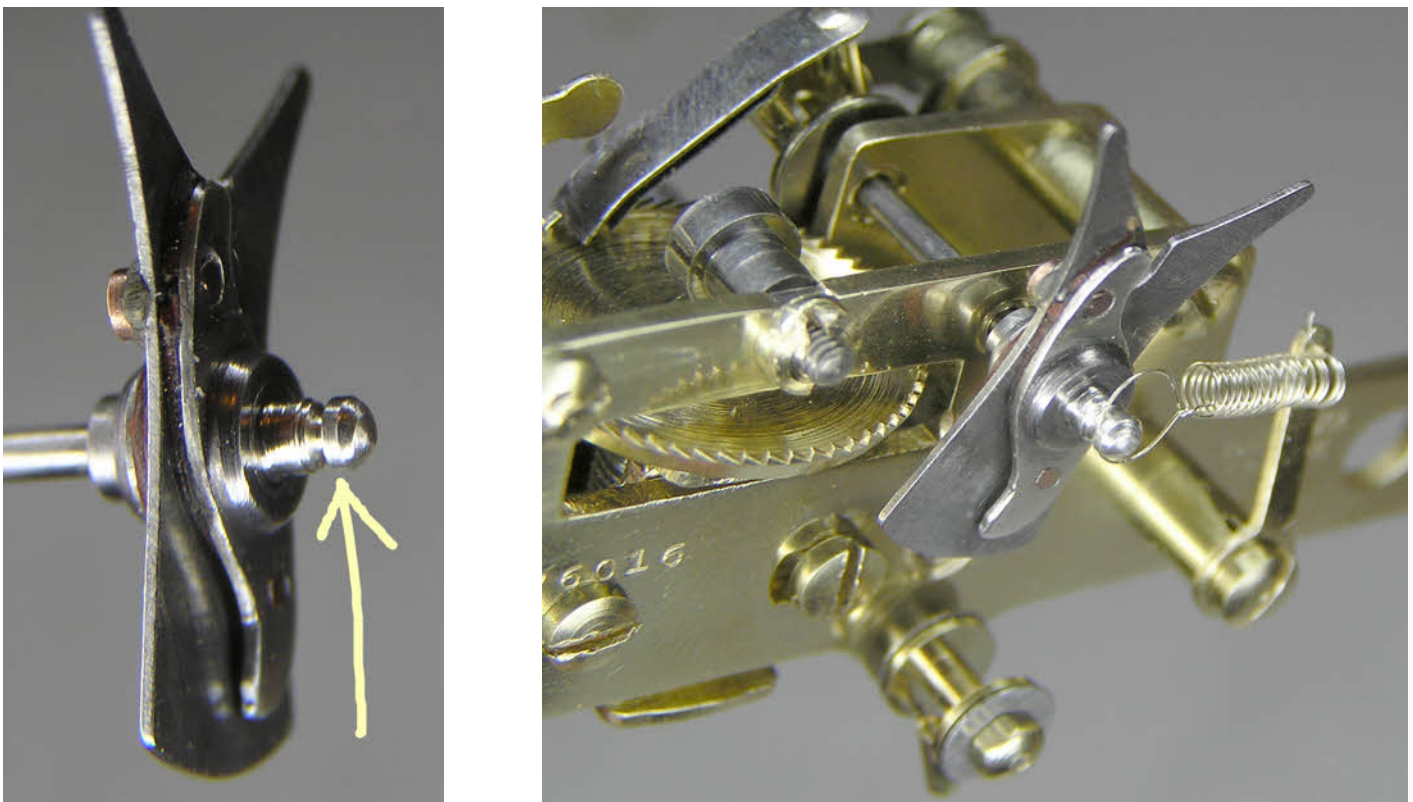
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Above we see the fork arbour which has been repaired at some point. The repair itself is good and has been successful in that the silver is in good condition and is electrically sound. Note the copper rivets (A & B) which are not original but work well. But the silver contact at the end of the arbour which carries the loop of the contact spring is broken. This I have removed and replaced with new silver as shown below. Note how the groove in the silver accepts the loop in the wire for a rolling action.



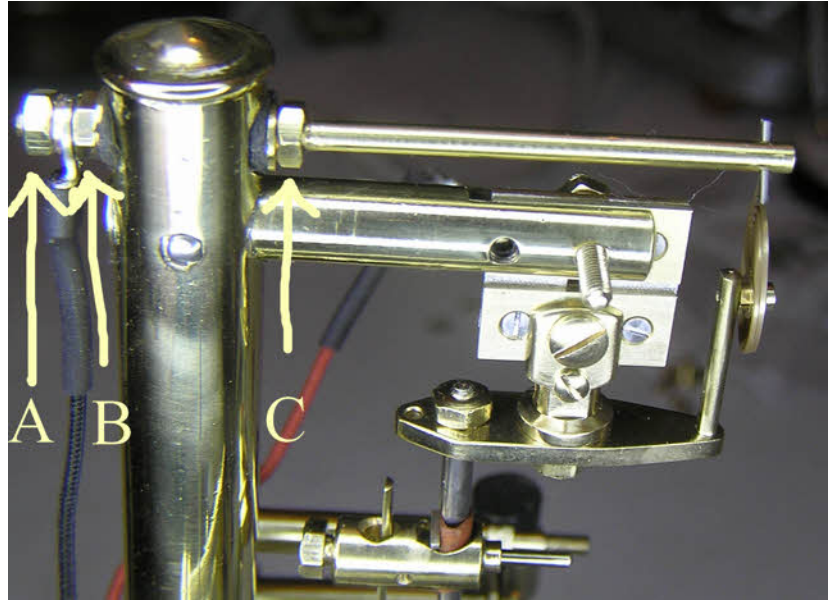
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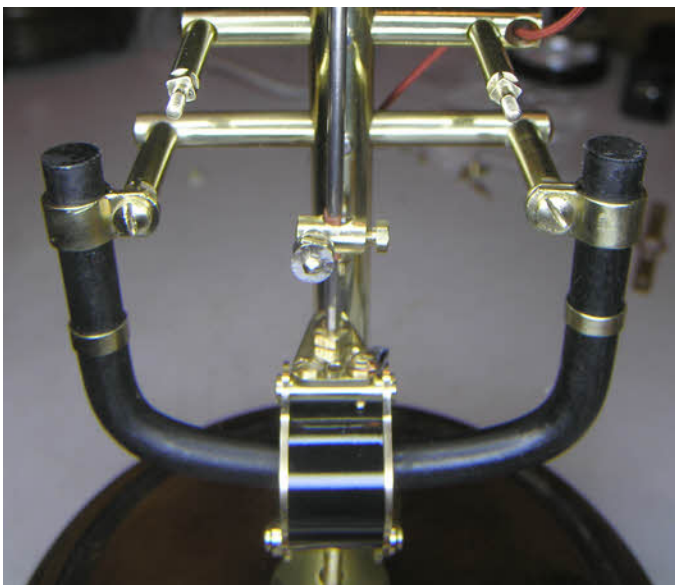
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In this particular clock the decorative rings used for the two lower screws of the coil are in fact the same as the spacing washers used to space the movement with the insulating washers on the frame.

The photo above shows the extra nut (A) added that allows the power wire to be tightened against the second nut (B) instead of pulling against the nut (C) and damaging the insulating washers. This ensures a good electrical contact.



The pendulum re-assembled with the painted coil cover, back in place on the frame ready to accept the movement.

The base after a couple of minutes polishing with beeswax.

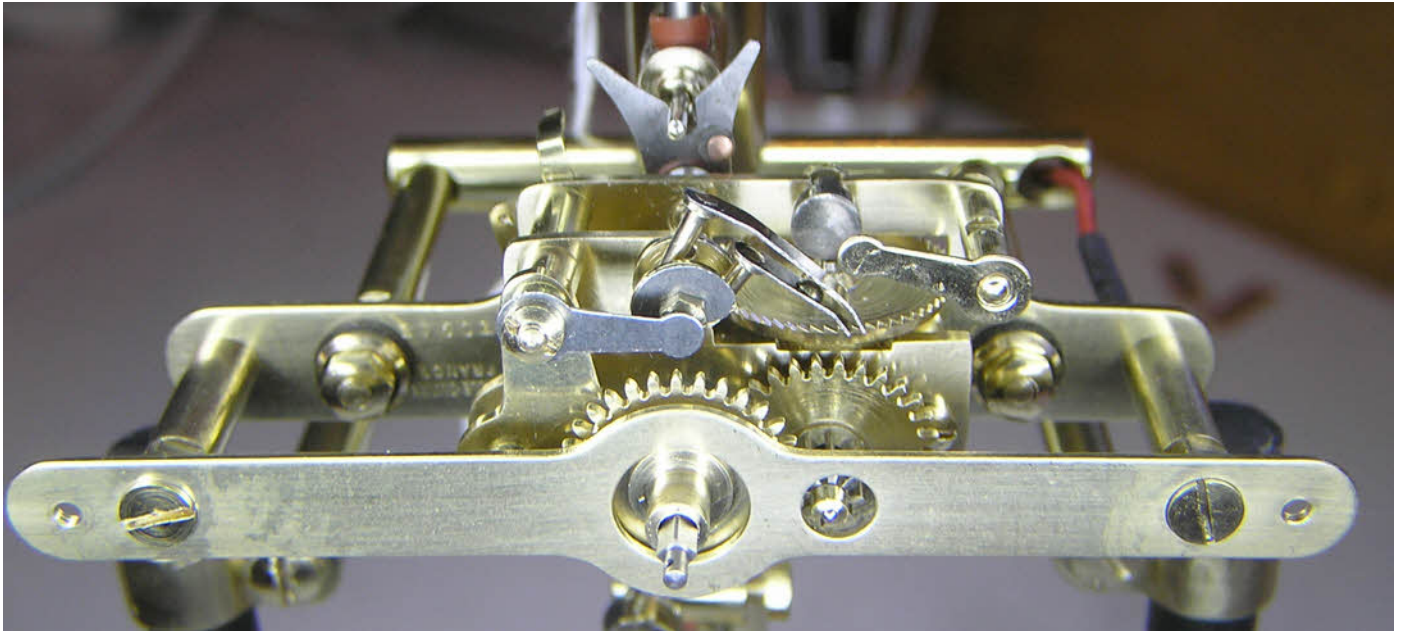
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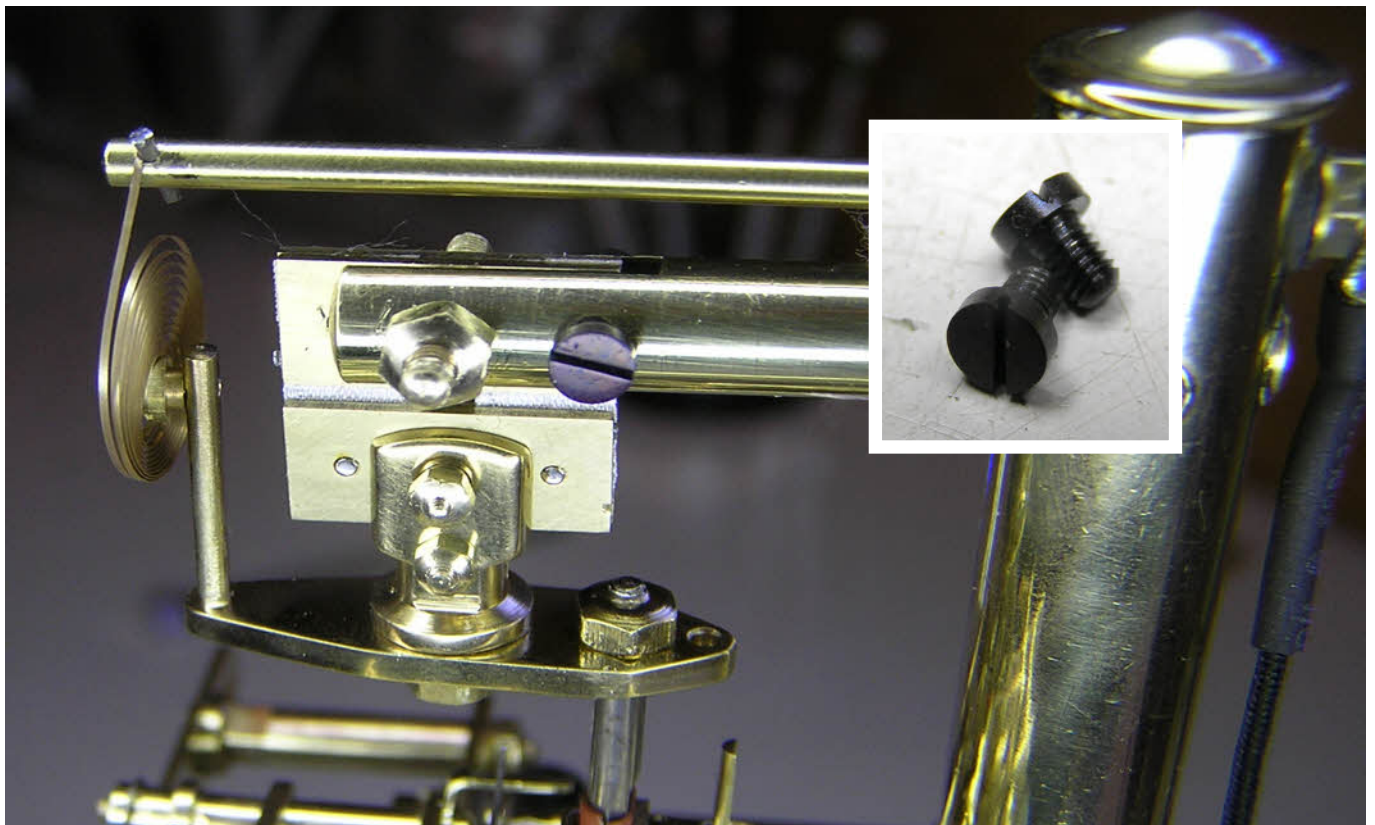
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The movement cleaned and back in place on the frame.



The blued steel replacement screws back in place on the frame.

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The finished clock.