

<h1>Horologix</h1>		<p>The place to come for all your Bulle and Eureka restora- tion parts.</p>	<p>Contact Peter Smith Telephone 01454-880825 Or Mobile 07969-773480 Email peter_smith@horologix.com</p>
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Bulle Clock Serial Number 265148

Restoration of Bulle Clock Serial Number 265148

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*Photos by kind permission of
the owner.*

*This clockette sits on a round
Oak base under a glass dome
(not supplied). The nice addi-
tion to this one that you don't
often see is the magnet retainer
clamp that originally came
with all these clockettes. It
keeps the pendulum in place
while in transit.*

*The rest of the clock looks rea-
sonable at this stage with no
major damage or repairs.*

*There is a problem though with
the dial as will be seen on the
following page.*

*The oak base will need just a
good wax polishing..*

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A side view of the clock



The dial has a buckle shown by the arrows. There's not much that can be done about this and it will be left as is. Once the brass is cleaned though it will look better.

On the right we see the base of the clock and the retaining clamp.



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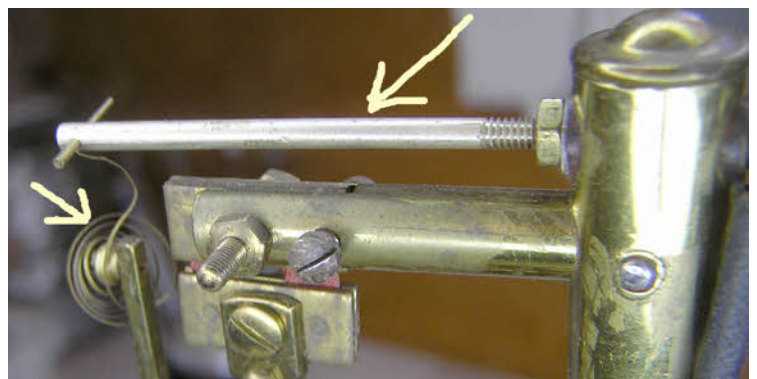


A view of the rear of the coil showing the single strand of wire left carrying the current from the coil. Also note the pendulum clamp and how it positions around the magnet. The clamp is a good idea but does tend to scratch the magnet. It would have been nice if the base had a position underneath where the clamp could have been stored after transit. Ninety nine percent of them go missing once the clock is in use.



At left is the underside of the base with the label still in position.

Although well made the arbour carrying the current to the hair spring is a replacement and made of steel. This will be replaced with a new one in brass turned up on the lathe. Note the hair spring will also need replacing.



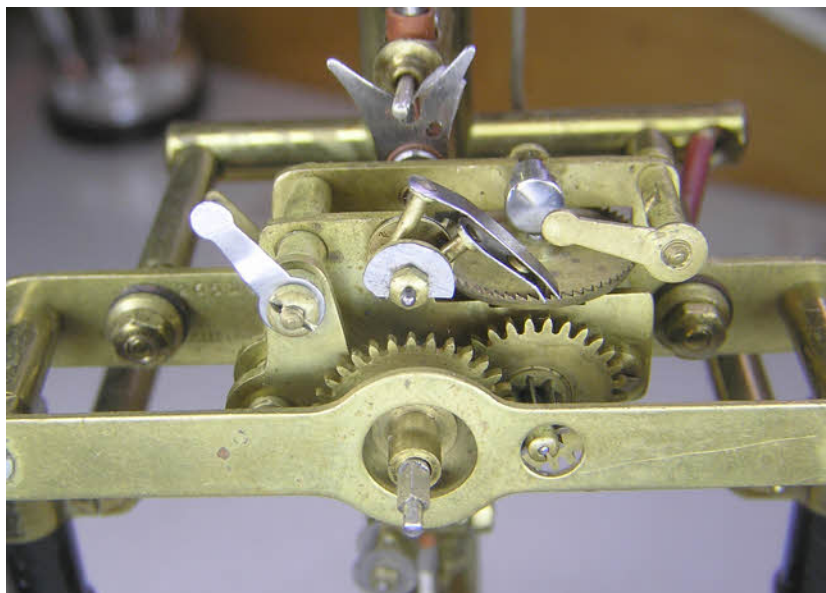
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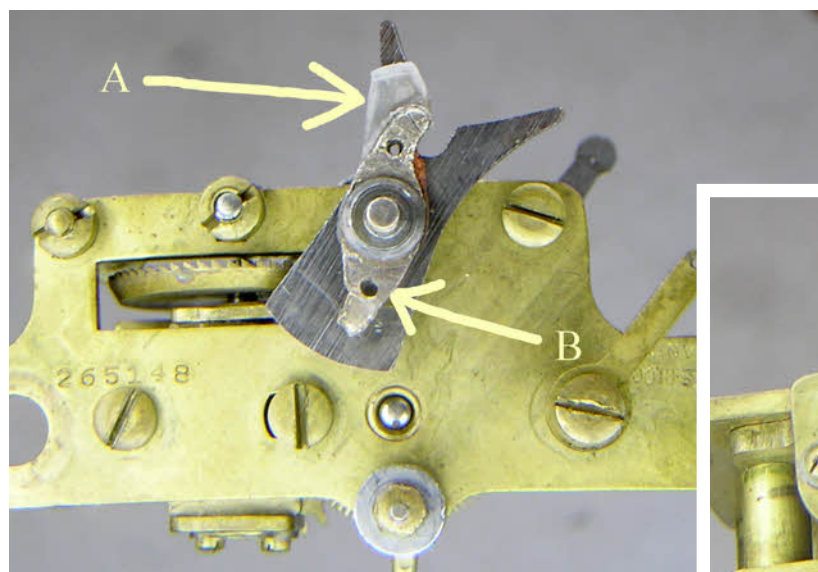
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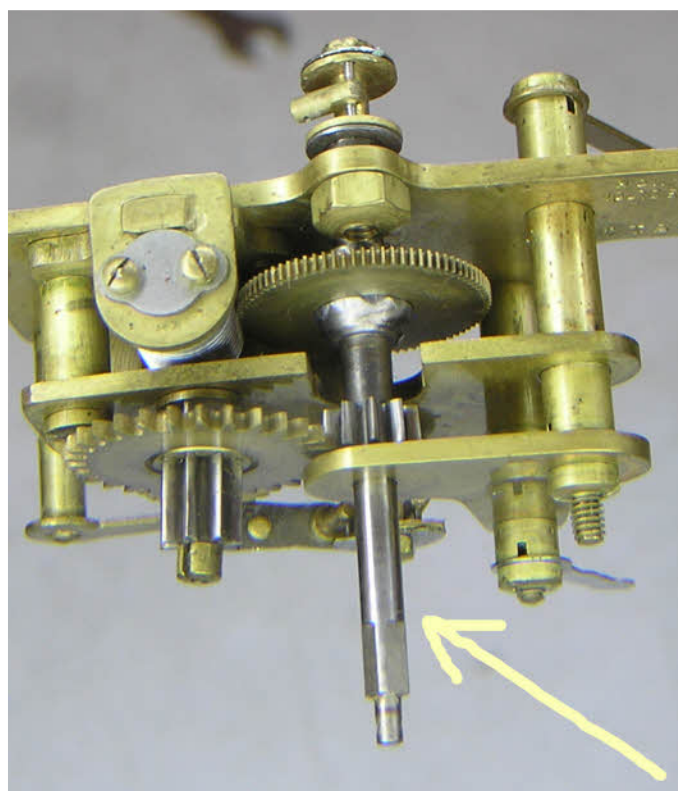
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The movement from the front. Nothing much amiss here other than the badly positioned stop for the fork arbour. This should be in the three o'clock position acting as a stop to allow adjustment of the end play of the fork arbour.



Below left we see the terrible state of the fork which has been damaged. The rivets have been removed (B) and a piece of plastic added (A). This will have to be replaced.



On the right we see the underside of the movement. The arbour carrying the minute hand is arrowed and the following couple of photos show how it is assembled.

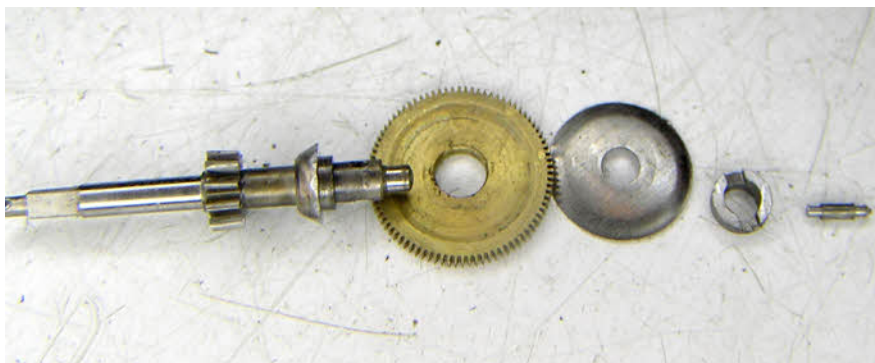
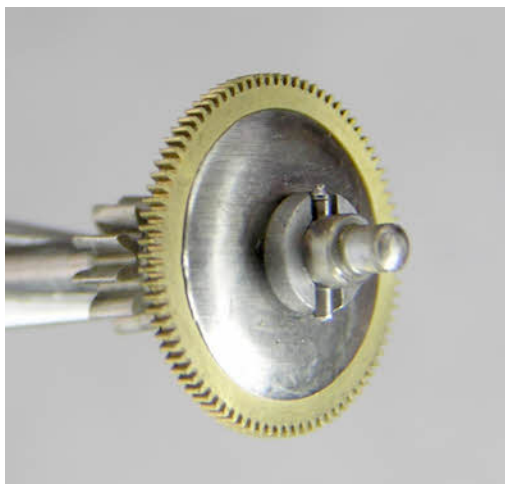
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The minute arbour (centre arbour in mechanical clocks) is assembled with a spring steel friction disc retaining the brass wheel with a collar and pin. The disc is compressed and the pin removed.



These two photos show the coil in it's painted brass sleeve. The waxed insulation is dry and cracks easily. Sometimes you can get away with heating the insulation with a hair drier which softens the wax enough for the sleeve to be reused.. Note also that the decorative dish washers are only used on the lower screws that hold the end caps in place.

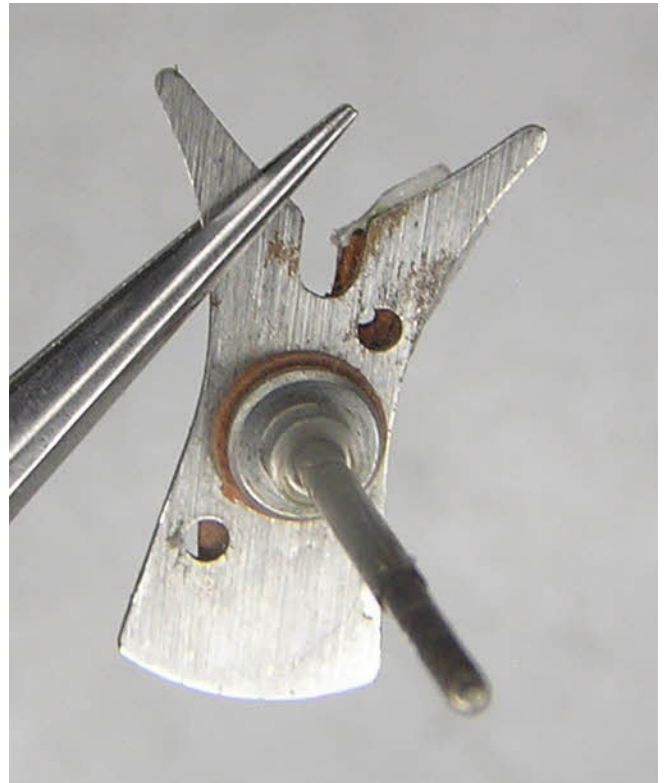
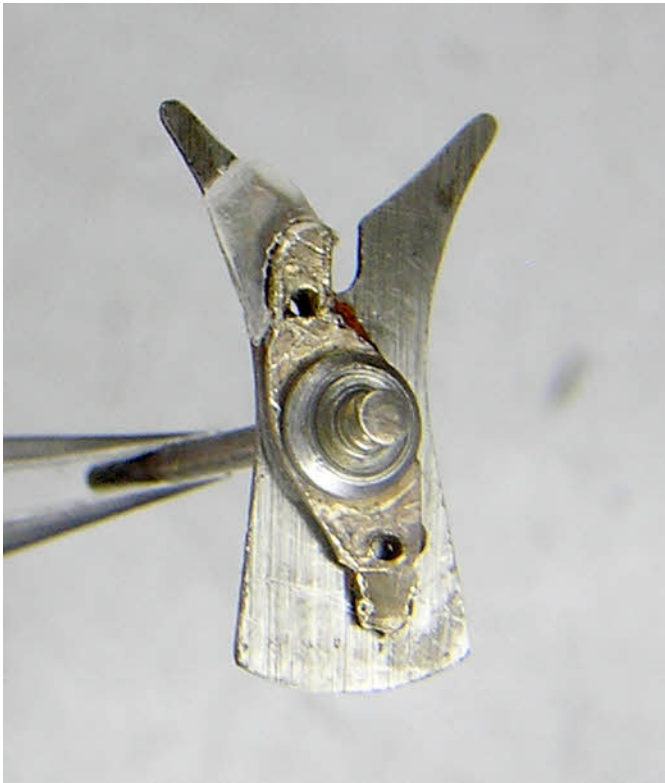
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Here we see the detail of the damaged fork. The photo below shows the fork removed



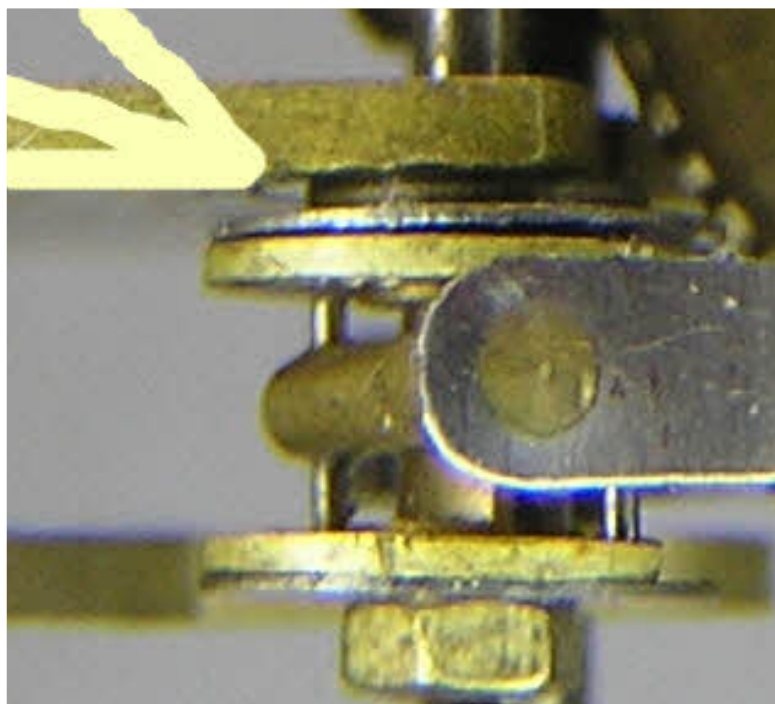
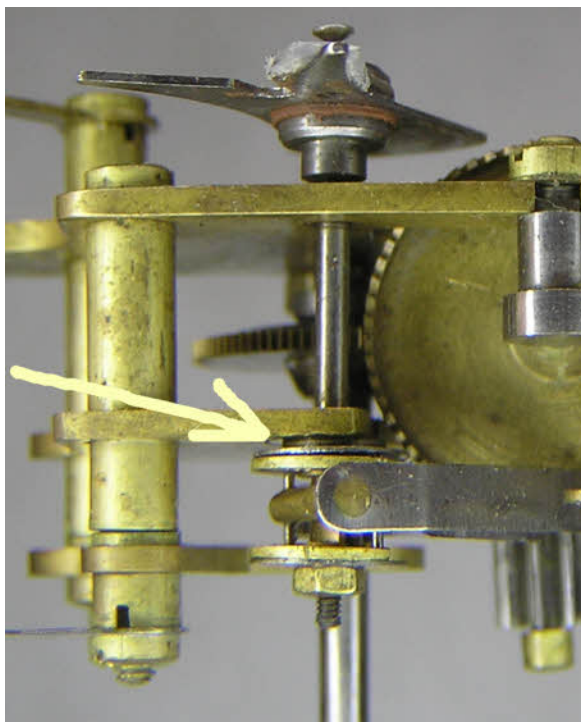
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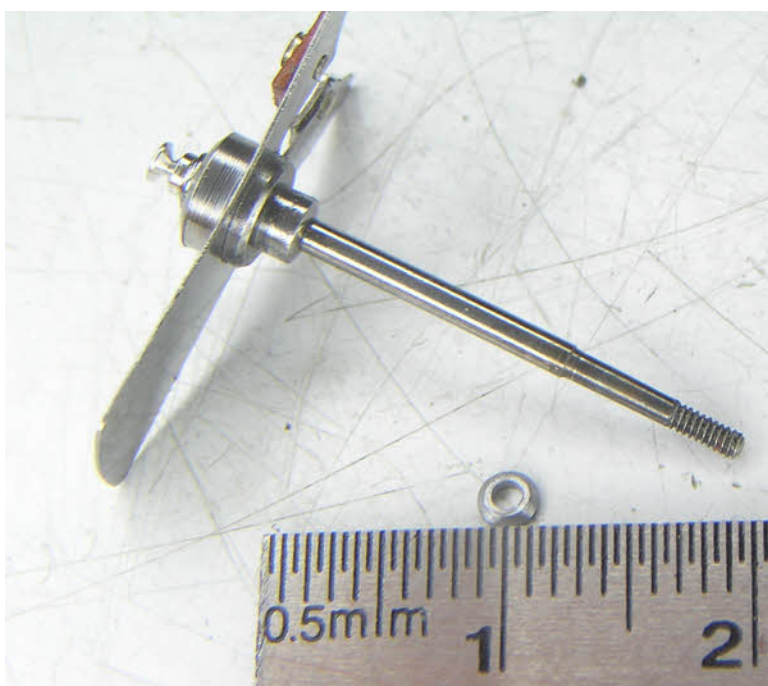
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It is difficult to see in the photo above (magnified on the right) but there is a small washer that has been replaced with a large one behind the pawl bobbin. It should be much smaller and made of steel. It butts against a step in the fork arbour and should be about 2.0 mm in diameter. A new one has been manufactured and is shown below.



Above we see the worm wheel which is in good condition other than a bit of caked oil which is easily removed with acetone.

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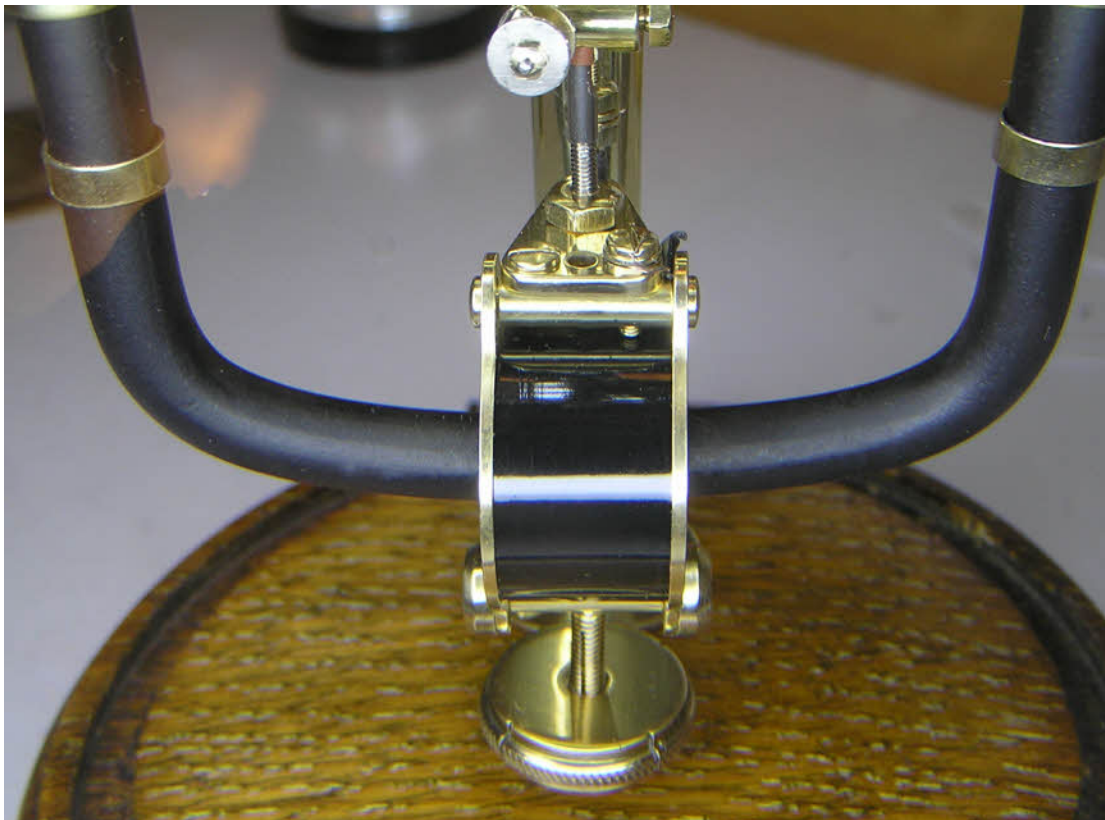
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The new fork and contacts.



*The base has been
polished and the coil
cover painted and
back in place on the
pendulum*

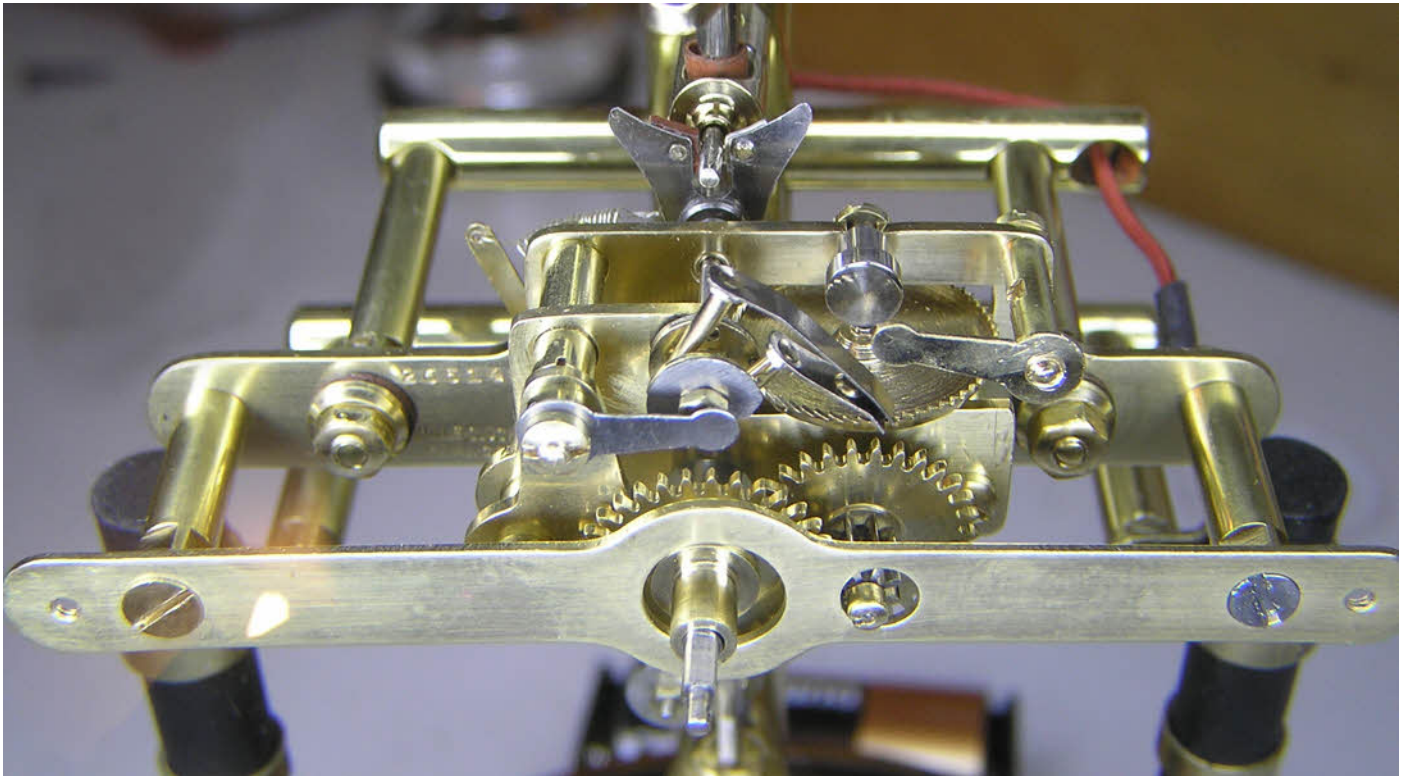
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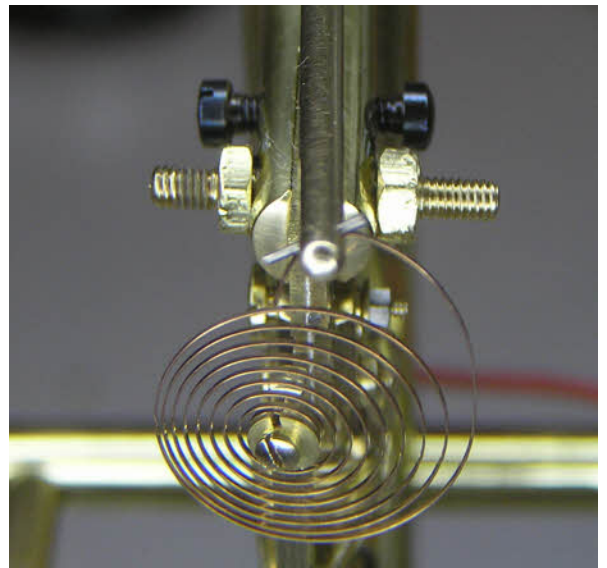
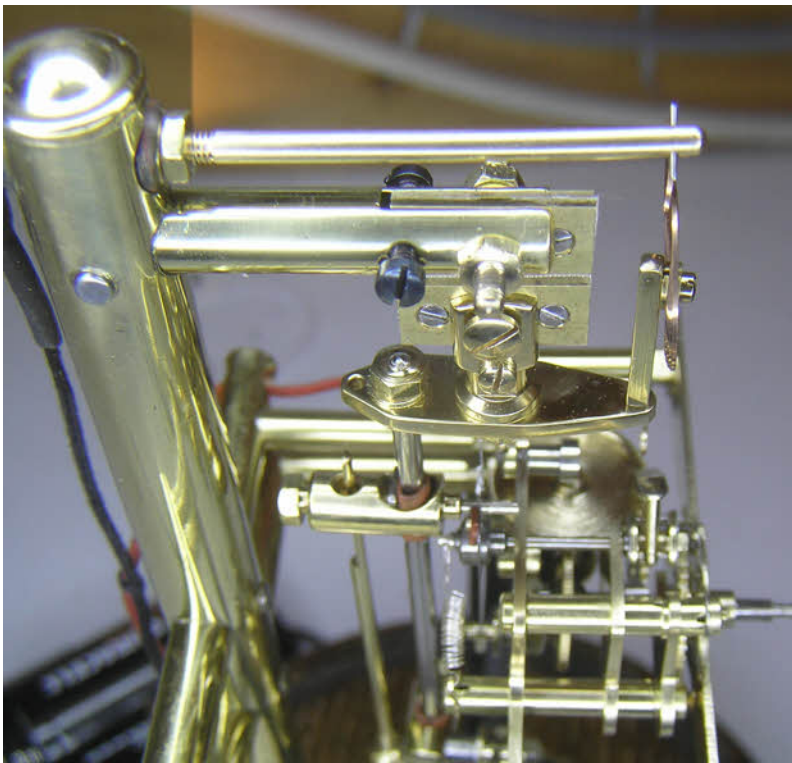
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The movement cleaned and back in position. Note the position of the fork arbour stop.



*The new arbour carrying the current to the
hair spring and the new spring itself.*

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Side view of the finished clock

The finished clock.

