

Horologix



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

Contact Peter Smith
Telephone 01454-880825
Or Mobile 07969-773480
[Email peter_smith@horologix.com](mailto:peter_smith@horologix.com)

Bulle Clock Serial Number 192702

*Restoration of Bulle Clock
Serial Number 192702*

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*Photos by kind permis-
sion of the owner*

*The clock as delivered.
A short movement in
brass four glass case
with marble top and
bottom. The owner has
kep the top to save on
postage.*

*The glass is missing
and will be replaced by
the owner once the
clock has been re-
stored.*

*Most of the clock seems
intact with no parts
missing although there
seems to be some rust
on steel parts.*

*The hands are original
blued steel but again,
rusty. They may clean
up OK though.*

*The dial is very good
with just a mark be-
tween the 7 and 8
o'clock positions. We
shall see if we can re-
move it.*

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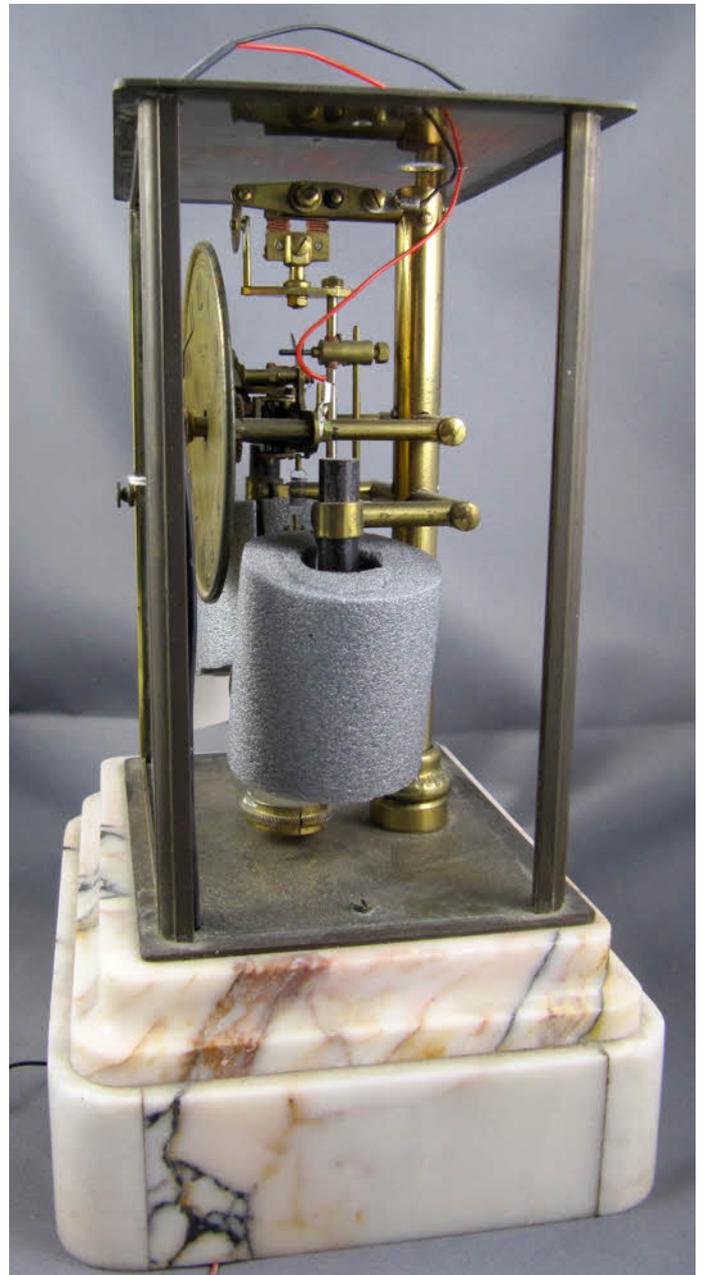
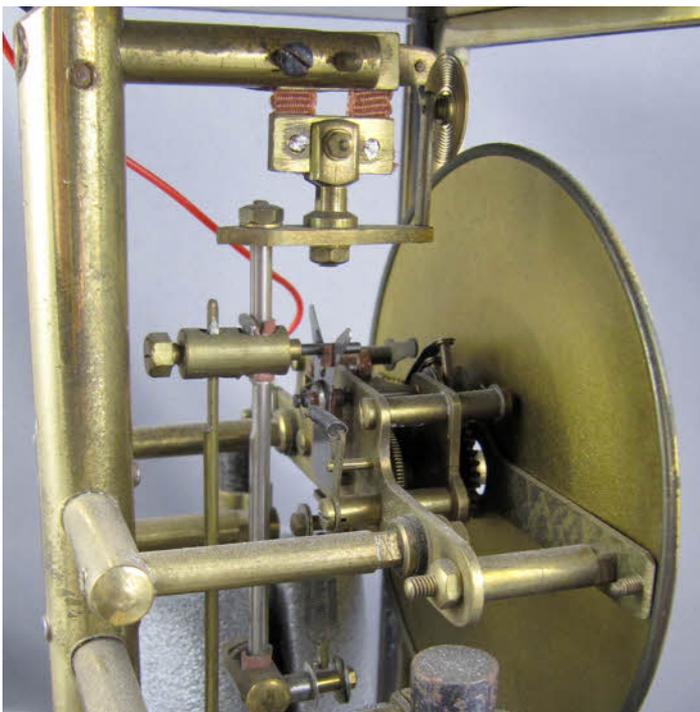
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Above is seen the dial and hands in more detail. Note the rust. Below is a side view of the suspension and movement. All seems OK bar the suspension which has had the ribbon replaced at some time.



Above is a side view of the clock. Everything looks to be complete with no missing parts. Overall this clock seems to be in quite good condition bas the rust.

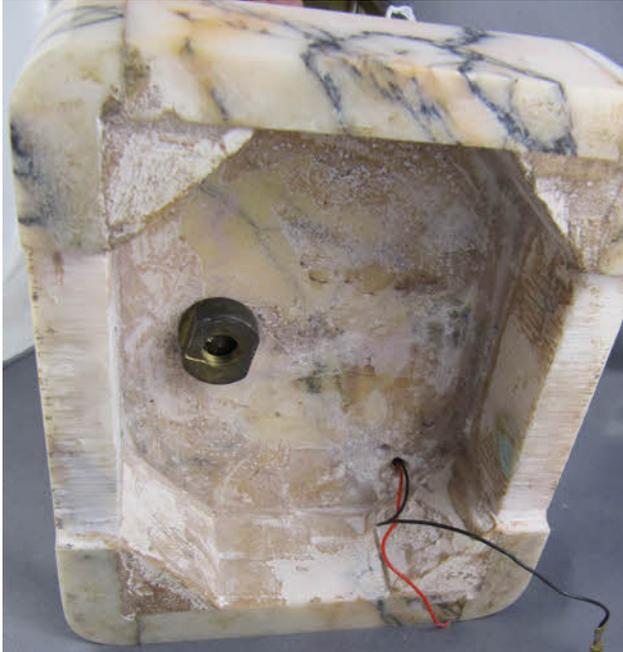
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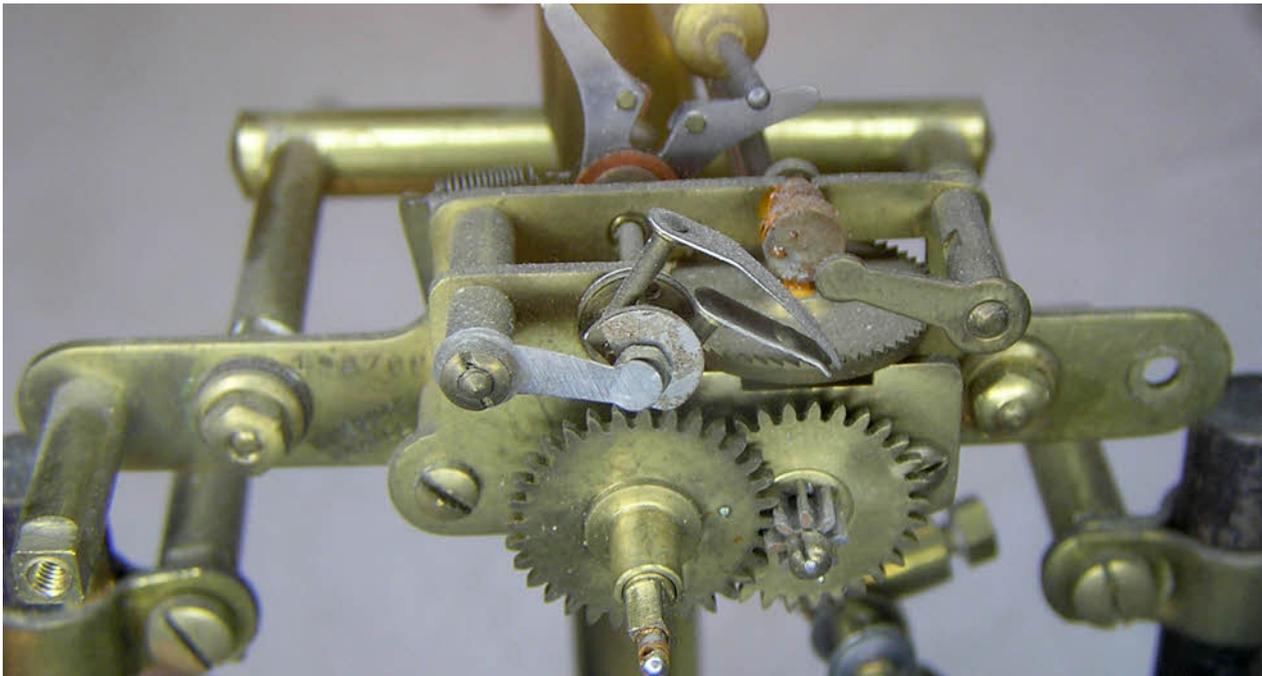
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The underside of the base showing the large nut used to secure the column through the marble. The nut is only secured on a few threads of the column which means that we will have to be very careful when replacing the column to make sure we have enough thread protruding through the marble whilst also taking into consideration the height of the pendulum rating nut as it swings over the magnet. Allowing more thread through the base means less room for the pendulum to swing.



The movement showing the rust on the steel crown wheel end play boss.

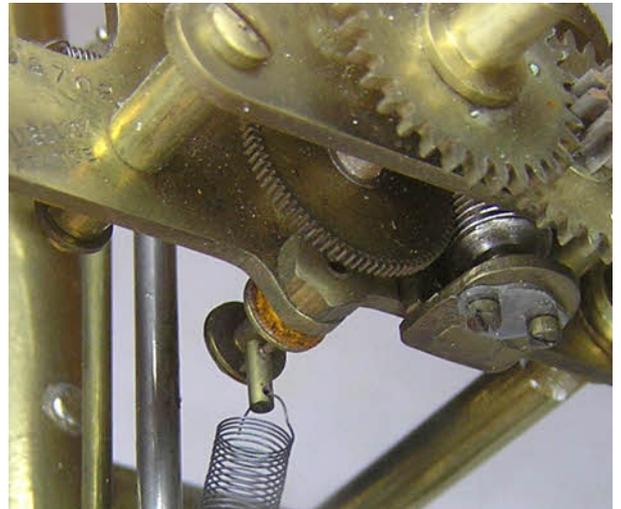
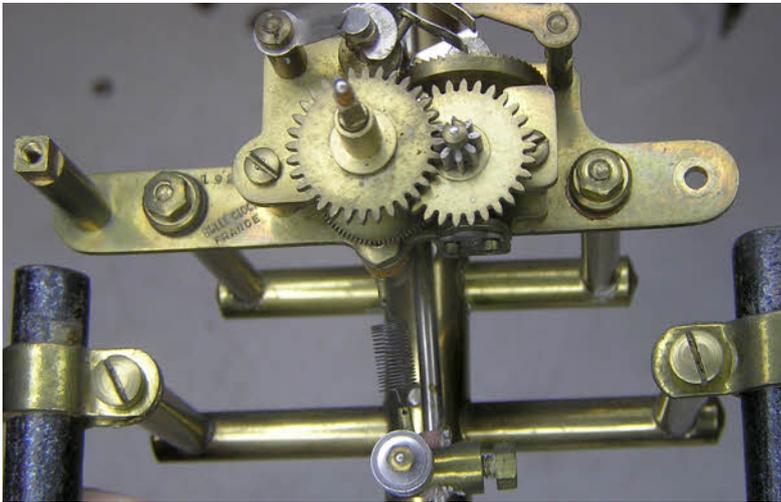
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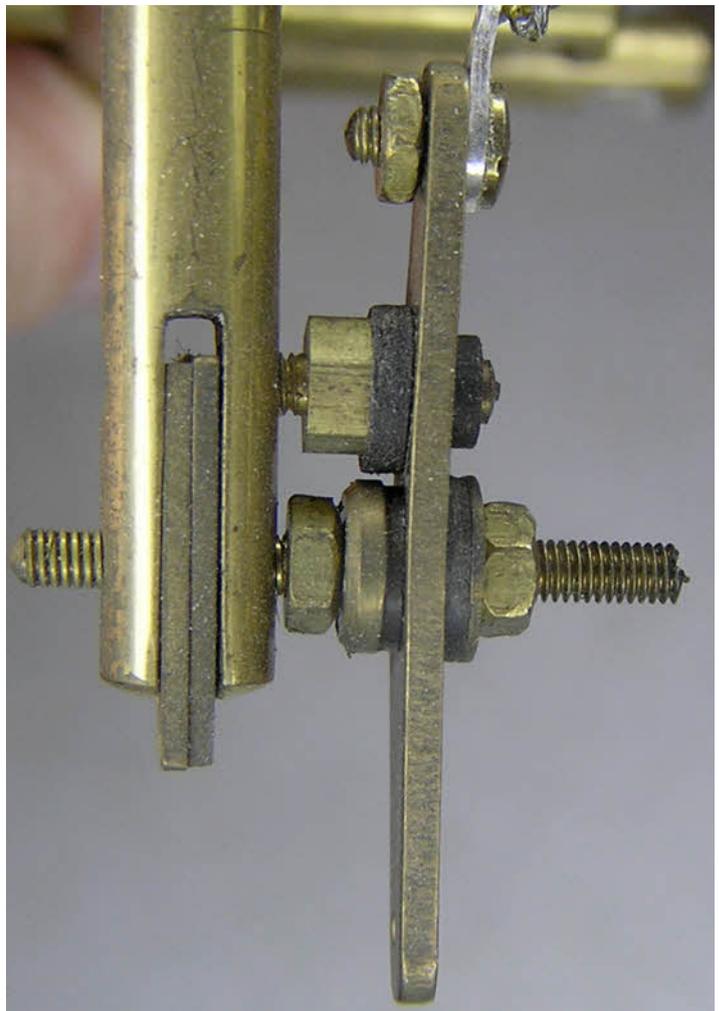
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More views of the movement showing the original Isochron spring still in position and more rust on the upper Isochron bobbin assembly.



The photo above shows the hair spring used to provide continuity of current over the silk suspension. The photo on the right shows the method of attaching the negative terminal from the battery to the clock such that it is isolated from the frame before passing through the hair spring to the pendulum. The black spacers being made from insulating fibre.

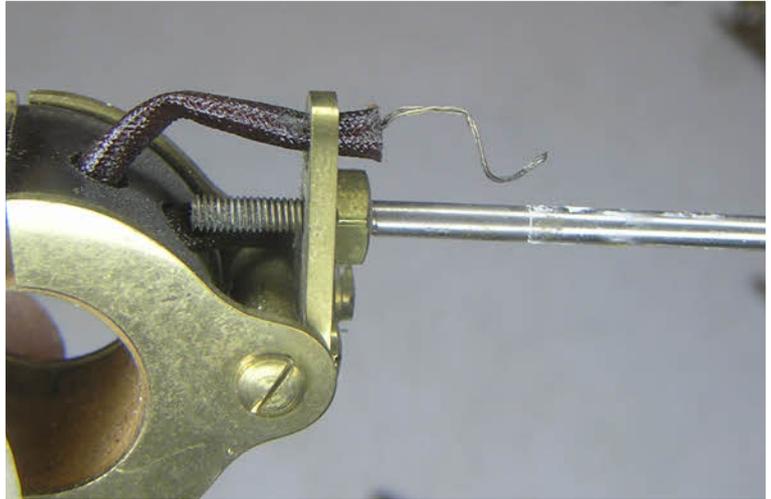
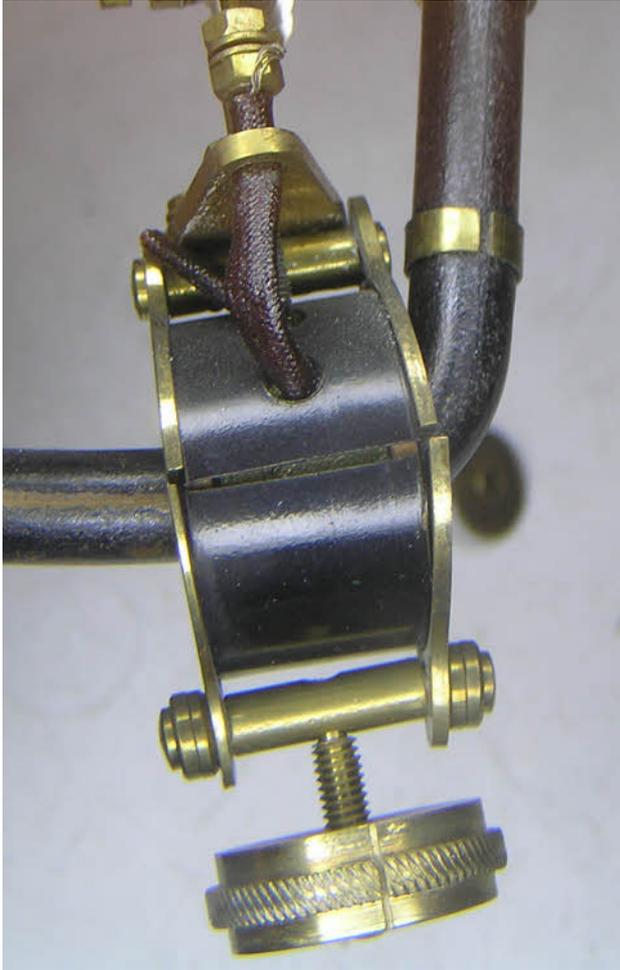
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This group of photos shows the coil with its casing and wax lead wire covers. These wax covers are usually so brittle that they snap and crumble when handled (as in this case). But sometimes they can be reused if heated with a hair dryer every 10 seconds or so before they cool and turn solid.

The coil proved to be in good condition with a resistance of approx 1100 ohms.

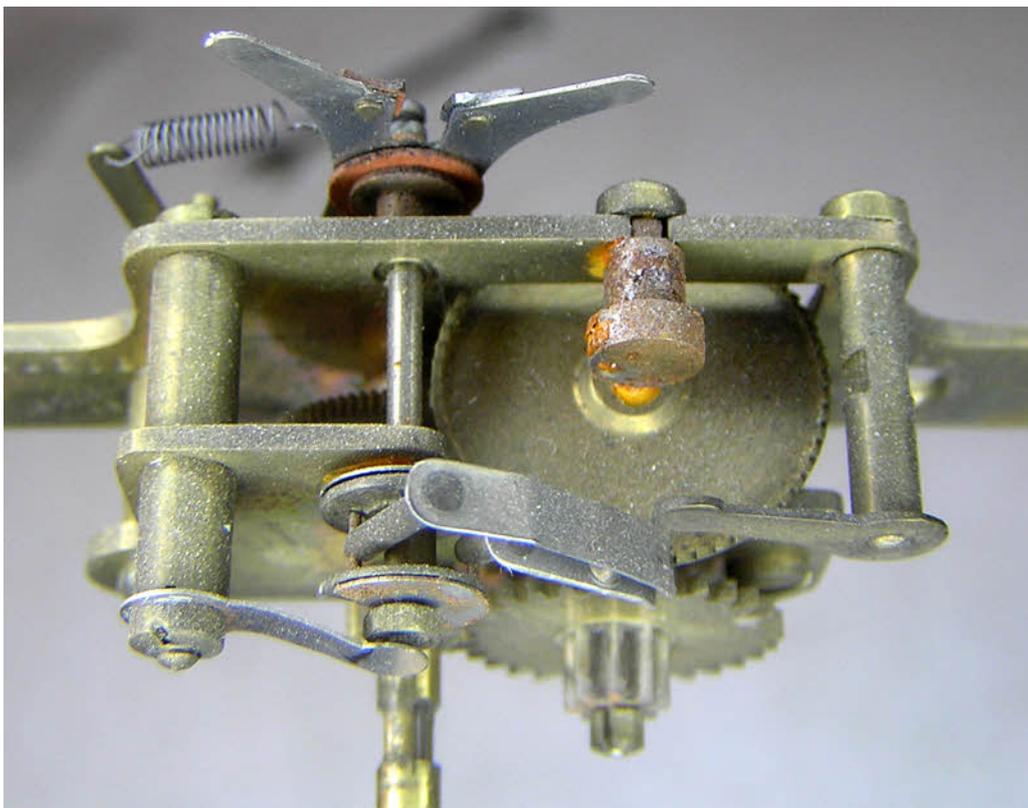
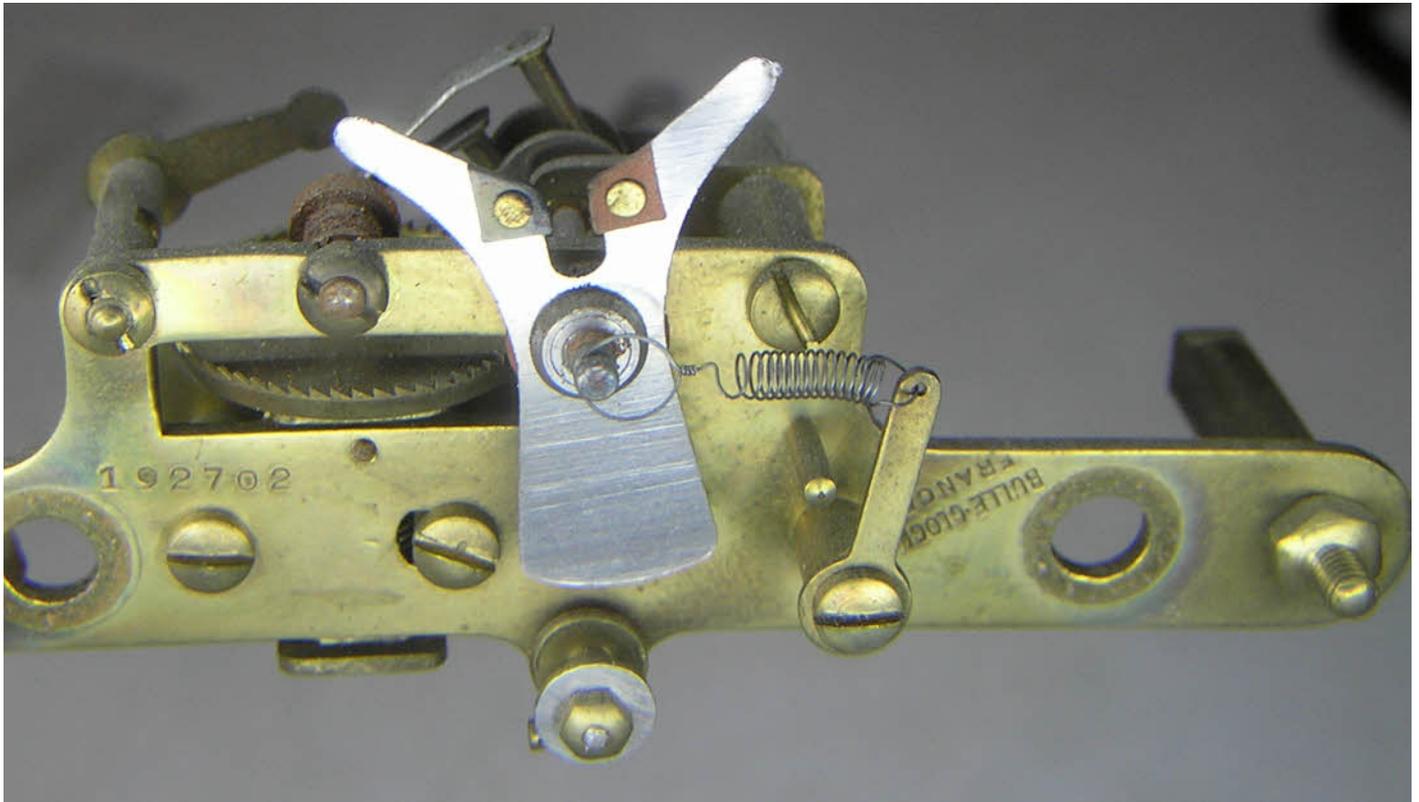
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These two photos show the general state of the movement. The fork silver contact spring is still in position albeit a little tarnished. A soak in silver dip should see it brought back to a bright condition and reusable. The fork contacts though look worn and will be replaced.

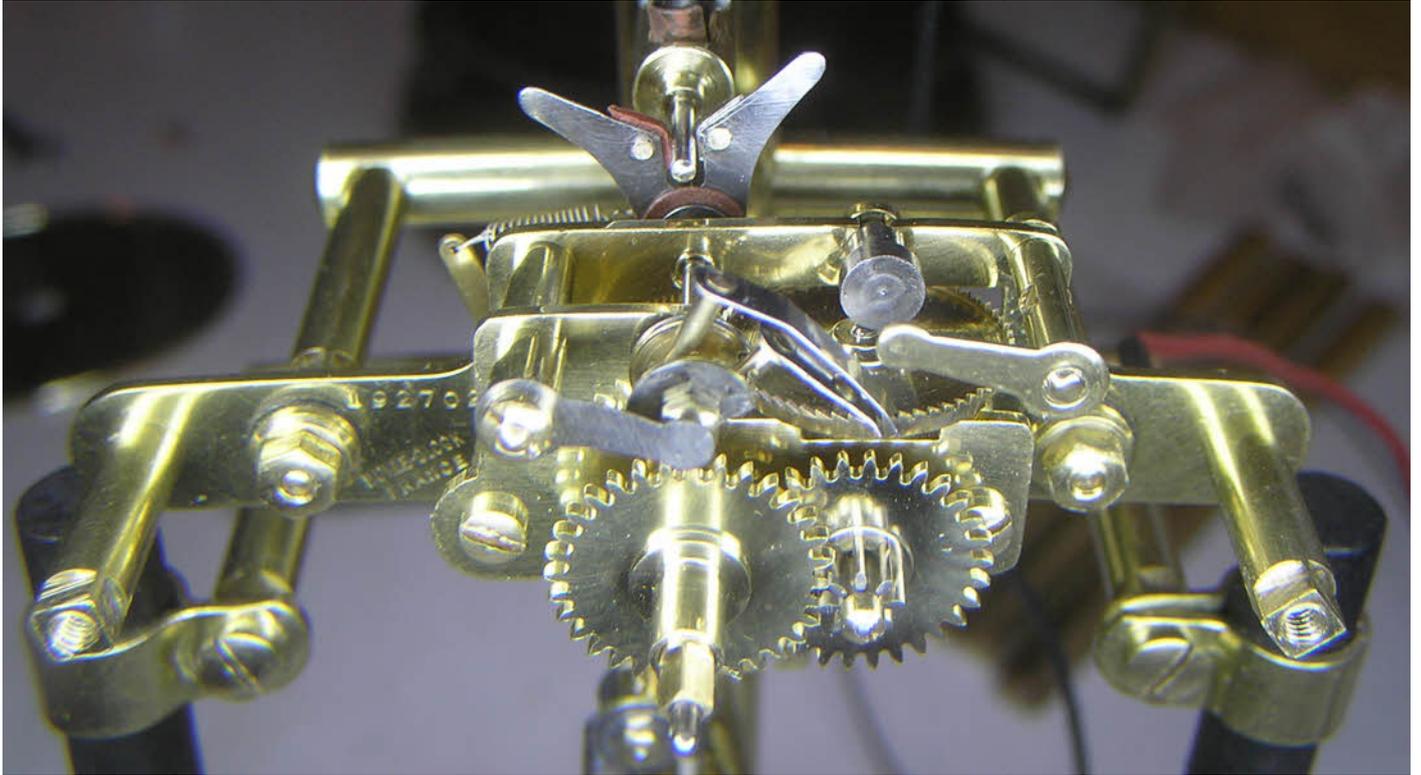
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The movement after cleaning. Note that all the steel parts have cleaned up very well after the rust has been removed. The fork has had new silver and fibre contacts made.



The photo on the left shows the clock on an old wooden base so that it can be rebuilt and tested without damaging the marble. On the right is the dial after cleaning. The mark is less visible and then hands have polished up well after rust removal..



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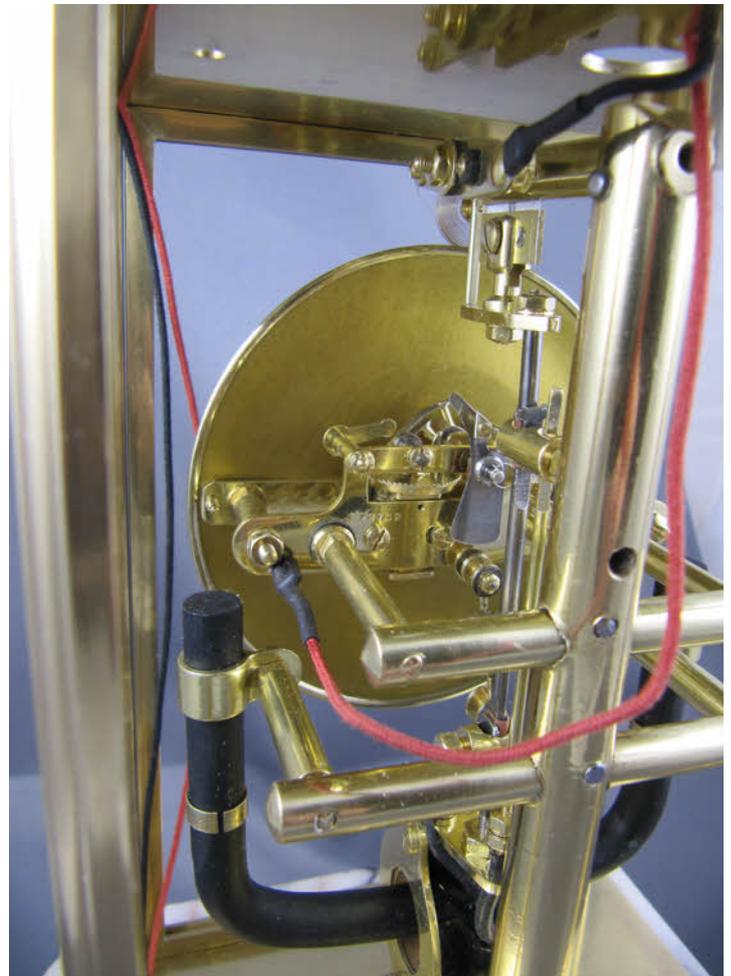
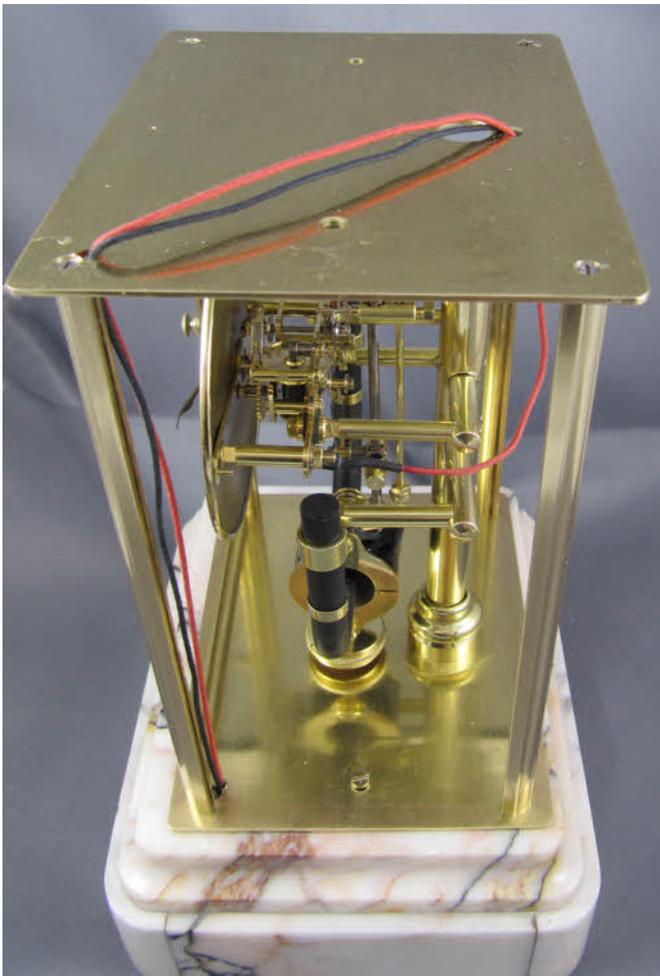
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This photo shows the restored pendulum coil, rating nut and magnet back in position on the marble base.

Below are two views of the side and rear of the restored clock.



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The finished clock.

The wiring is left loose so that the brass case can be unscrewed for fitting the new glass.

The wires would normally be secured behind the right hand side door pillar so that it wouldn't be seen from the front.