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Bulle Clock Serial Number 203860

Restoration of Bulle Clock Serial Number 203860





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Photos by kind permission of the owner.

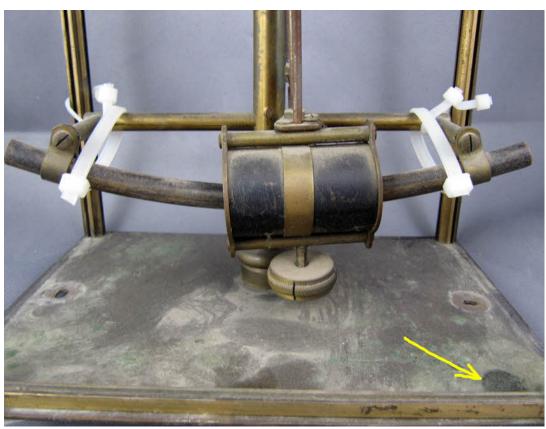
A medium Bulle clock in a brass four glass case. The owner has retained the marble top and bottom as well as the glass. The clock is not in good condition as can be seen. All the steel work looks rusted as well as the hands. There are also some deep stains in the brass.





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This photo shows the dark mark which is in fact a bad "burn" in the brass. I will clean it up as best I can but the mark will probably still be seen as it is quite deep. But at least it will be less noticeable.



The frame is missing the large nut that secures it to the case.. This will have to be made



A closer shot of the dial and rusted hands. The hands will come up fine after cleaning and painting.





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The photo on the left shows the rear of the clock. The back of the dial is badly marked and tarnished. Hopefully I shall be able to tidy it up a bit.

The photo below is useful as it shows the amount of thread protruding from the loose fitting cap which covers the round nut used to position the frame up and down such that it fits with enough clearance for the pendulum to swing freely but also low enough to fit the top of the case with the screw described below.

The photo lower left shows the top of the frame and the badly fitting screw holding it to the case. On disassembly it was found that the hole in the frame was stripped of thread and the screw was loose fitting. So I will have to tap the hole and make a new screw to fit.



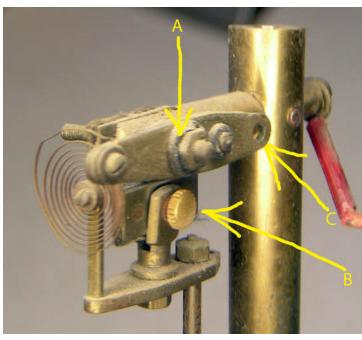






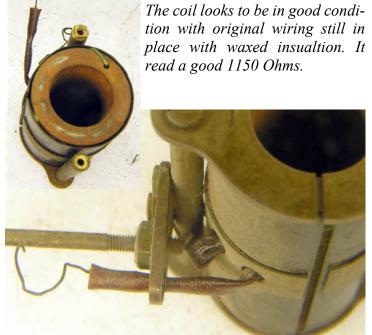
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All looks OK.

This photo shows the pendulum suspension with three problems A) shows the insulating washer which should have a brass backing washer. B) shows the lower suspension nut is missing and a quartz clock had nut used in replacement. C) shows the missing nut and screw that holds one of the battery leads. All will need to be made.



This photo shows a view from under the movement.

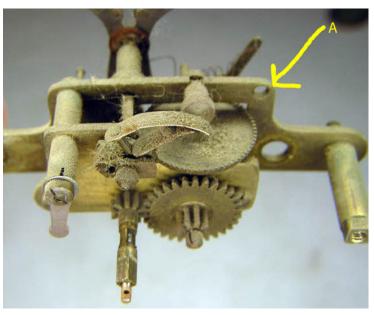
The pendulum casing looks in good condition as does the rating nut. Not the loose fitting cap on the main frame.

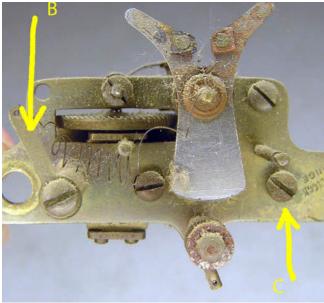




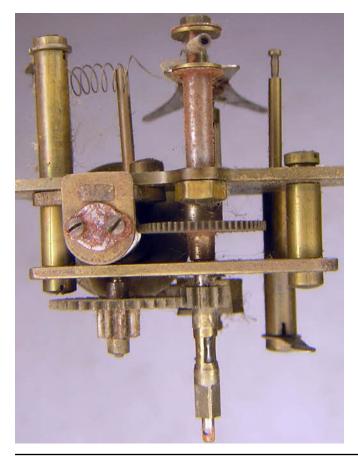
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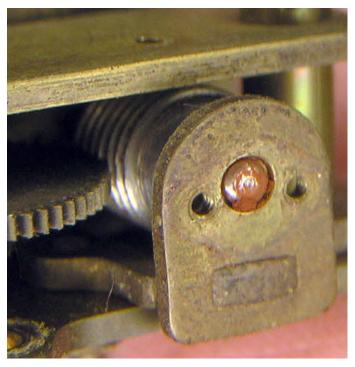
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These two photos show the condition of the movement. A) shows the missing arm that stops the pawls from jumping vertically, B) shows the arm that holds the Silver contact spring in the wrong position. It should be at C). Note also the dirt and rust., The fork looks to be OK under neath the muck.





These two photos show the extent of the rust. The count wheel was jammed tight by the rust.





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The group of screws that hold the brass case together after cleaning.



The isolation bar back in place with new screws, nuts and washers.





The pendulum, contact pin assembly and suspension back in place on a an old wood base used for testing the movement, which is not easy if put back in the four glass case.

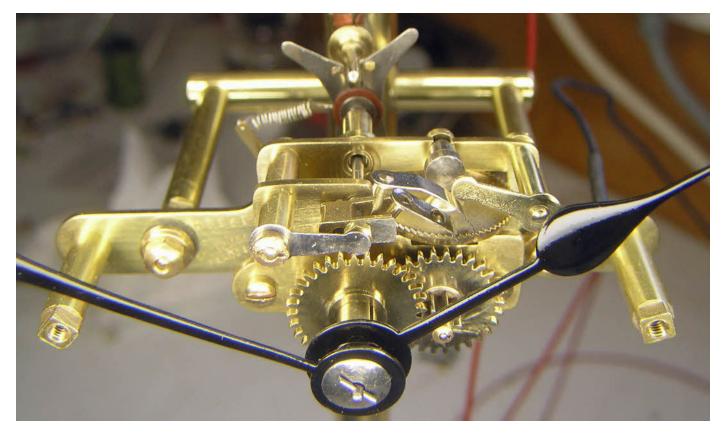




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The movement back in place with the cleaned and painted hands. Not the new arm that restricts the vertical movement of the pawls.



The repainted pendulum casing.





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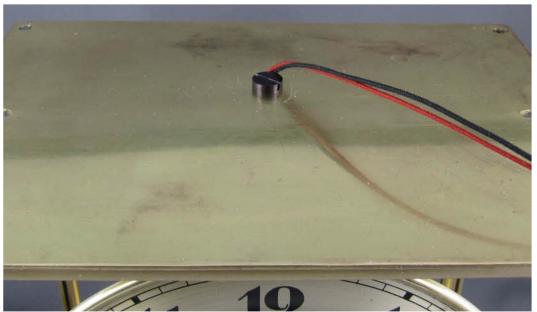


The cleaned dial back in place and a side view of the finished clock.



This last photo shows the new screw that holds the frame to the top of the case.

Note the wiring which has been left loose and long so as to facilitate an easy installation when the owner re-fits the glass and marble.

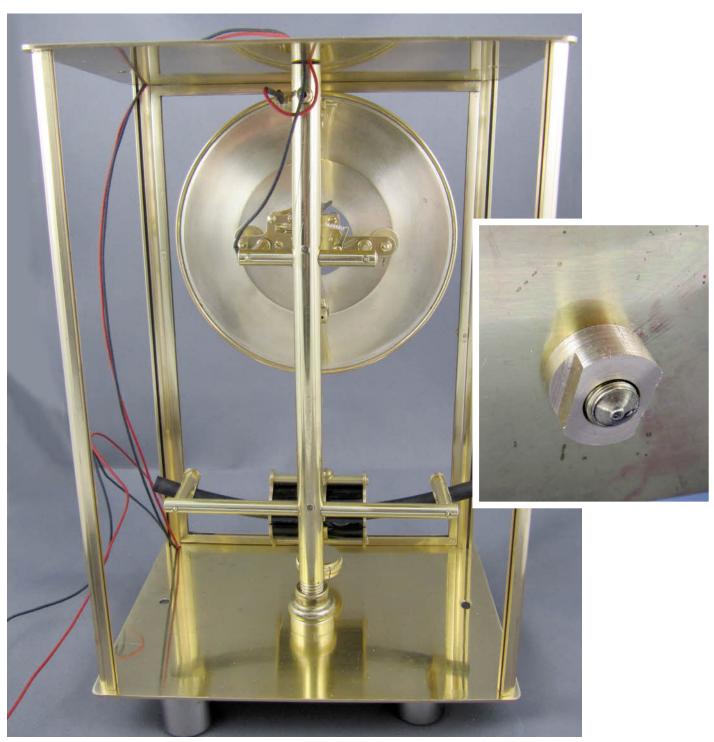






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Rear view of the completed clock and an insert photo of the new nut that secures the frame to the lower case plate.



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The completed Clock.