

## *Section 2*

### *The Clock Serial No 3824*

## 2. The Clock

This clock (**photo 2/2**) is an early version of the "Tall Movement" under a dome, characterised by a cotton bound bob, moon hands, movement made from square section brass direct onto back plate, single driving pawl with separate retaining pawl, and over-slung damper. Later models have multi-plate movement with pillars, fine spade hands and metal clad pendulum bob.

There were transition phases when clocks with cotton bobs and spade hands could be found. The base on this one originally had a metal label on the front and brass wire banding that sat in the thin groove around the centre.



**Photo 2/1**

The original brass nails are still in situ at the front (**Photo 2/1 and inset**) and the remains of the wire-can still be found at the back where it was - retained in a small hole, shown in the insert photo.

The name plate was lost early on in the clocks career as there is no discernable mark left on the wood. The original battery on these clocks were 1.5 volt Flag cells that sat up in the tube inserted through a cover in the base (**photo 2/3**). The unfortunate thing is that the battery often leaked acid and was left over the years to corrode the brass tube and retaining steel door.



**Photo 2/2**

This could be so bad as to eventually eat through the tube and show initially as a mottled surface which then later grows to more sizeable marks often turning green and in the worst cases leave gaping holes.



**Photo 2/3**

The suspension block as well as the associated screws, nuts and screwed rod are missing. On these earlier clocks the negative side of the battery was connected directly to the column via one of the screws in the base. As this need to be attached to one side of the

pendulum coil, the power had to be routed via a loop piece of silver plated wire across the gap caused by the silk suspension block. It looped from the top of the frame to the main iron rod of the pendulum. This particular clock is quite badly corroded on the inside but only shows the mottling on the outside. **(photo 2/4)**. We'll discover more after we start cleaning.



**Photo 2/4**

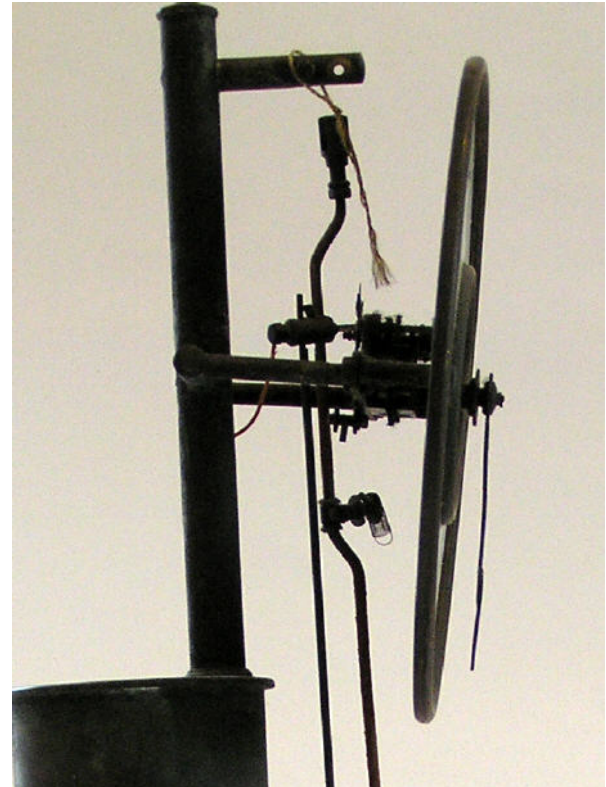
The dial is still in reasonably good order and should look good when the brass is cleaned **(photo 2/2)** It should not need re-painting. The hour hand has been broken and will need to be replaced.



**Photo 2/5.**

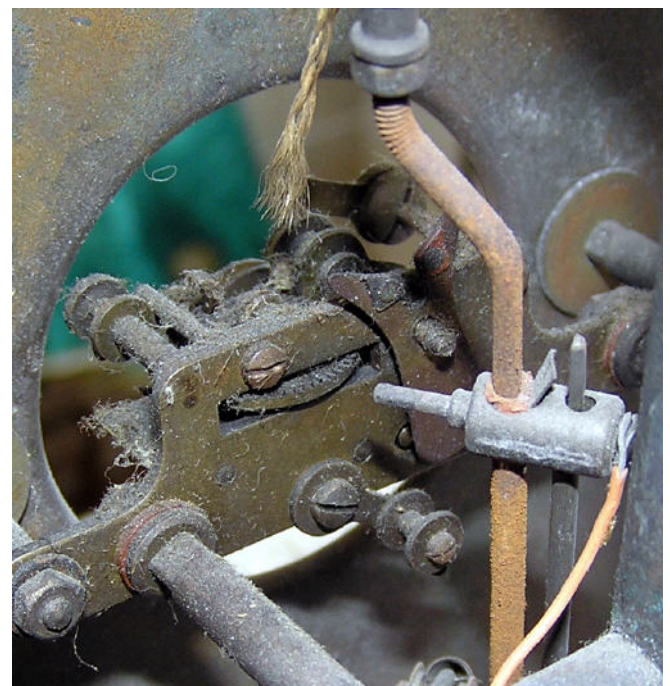
The movement retaining pillars are loose and hanging down at about 10 degrees and will need to be corrected **(photo 2/6)**. In this case someone has tried to attach the the battery directly to the pendulum via the contact pin assembly. This is a bad idea. It would badly affect the amplitude of the pendulum swing

**(photo 2/7)**. The hex head bolt is missing from the back of the assembly.



**Photo 2/6**

Also note in this photo the general condition of the clock. What isn't gummed up with oil and dirt is covered in rust. The base has been marked by the pendulum since the suspension has broken. This will need to be repaired and the whole base French polished **(Photo 2/8)**

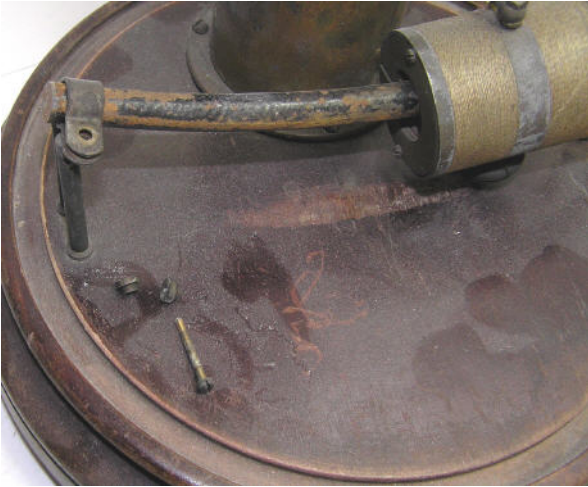


**Photo 2/7**

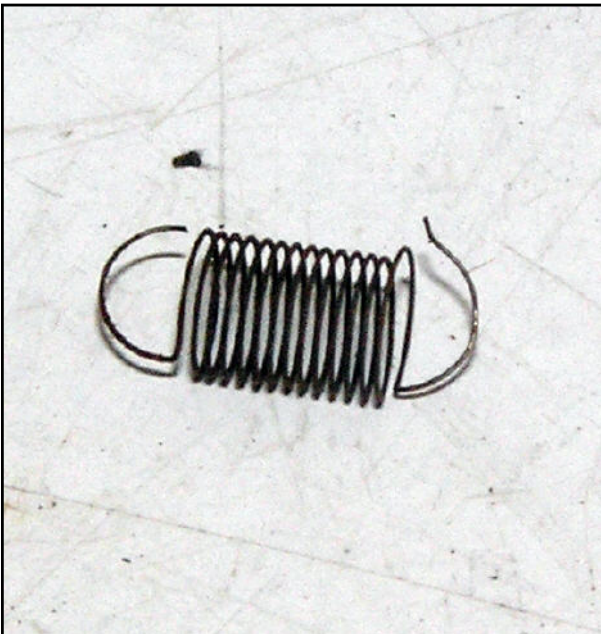
The Isochron spring is still intact and is hanging at one end only. It looks to be in good condition and is re-usable (**photo 2/9**). The Silver contact spring, however is completely missing and will be replaced.

That's enough on the overall view.

Now let's start work.



**Photo 2/8**



**Photo 2/9**



**Photo 2/10**