

CARLTON CLOCKS LTD.

CLOCK RESTORATION & SALES

INSTRUCTIONS FOR SETTING UP THE MANTEL CLOCK

The clock is packed with the pendulum removed, to avoid damage to the movement and upsetting the set-up of the clock.

Once the pendulum is in place, care must be taken to keep the clock as upright as possible, avoiding large sideways motions which will cause too much swing of the pendulum and may damage components

In order to install the pendulum, remove the nut securing the bell, and remove the bell. The nut is only hand tight.

Hang the pendulum onto the horizontal pin which passes through the suspension spring and ensure that the pendulum rod passes through the fork, as shown.



Holding the clock upright, put the bell back on and tighten the nut. Make sure that the hammer now hits the bell correctly by raising the hammer slightly and letting it fall. There should be a small gap between the hammer and the bell when at rest. If the hammer does not hit the bell the gap is too big; you can adjust this by rotating the bell because the hole in these bells are very rarely drilled centrally. Similarly, if the hammer is too close to the bell it will sound very bad and vibrate. The adjustment method can be the same. Do this until you get a nice bright clear single ring.

Using the larger key, wind both springs up fully as far as you can go, winding both clockwise through the dial.

Give the pendulum a small impulse by tilting the clock gently from side to side, to set the clock ticking. We will have set the clock up on a level - if you have it on a level surface, you should hear a very even tick.

The smaller key is to adjust the timekeeping using a regulation arbor above the 12 position on the dial. Only small adjustments are necessary, try about a half of a turn at a time. This final fine tuning is simply trial and error.

Wind the clock once a week.

