

Clock Periodic Oiling

NAWCC Ch. 59 Mentor Presentation

by
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Tools:

- Screwdrivers & Wrenches (as needed to get the movement out of the case)
- Toothpicks or Pegwood
- “Lint-free” rags
- Q-tips (Preferably wooden stick medical type)
- “Glue or Acid” Brushes
- Let-down Keys
- Fine Point Tweezers

Optional Tools (but very handy)

- Test Stand(s)
- Beat Amplifier
- Compressed Air
- Magnifier Visor/Loupe

Consumables

- Clock Oil
- Mainspring Oil
- Grease (white lithium works well)

Procedure:

1. Remove the movement from the case. Be sure to first remove the hands.
2. If spring driven, let down the springs.
3. Use toothpicks (or pegwood) to pick dirt and grime from around the pivots. Also check the teeth of pinions and wheels between the plates for grime and pick out as much as possible.
4. Wiggle the wheels to check for wear on the bushings.
5. Inspect the verge/escape wheel for dirt build-up on the pallets and remove with toothpicks and/or brushes or Q-tips. (NOTE: When using Q-tips, look closely to ensure no lint is left behind.)
6. Apply oil to pivots and verge pallet faces.
7. Apply oil to springs (if they are not in a barrel).
8. Apply grease to chime and strike hammer tails.
9. Wind up and test the movement. This is where a test stand comes in handy.

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