

Our Ref: H/1192/SW  
Date: 29/01/2021

Veronica Smith  
Church Warden  
[veronica@collingwoodsmith.co.uk](mailto:veronica@collingwoodsmith.co.uk)

Dear Veronica,

### **Glinton: St Benedicts Church – Advisory Repairs**

Following our recent visit to investigate why the clock has stopped, we are delighted to present you our report, proposal and quotation. We can confirm that our engineer did leave the clock in good working order. We trust this meets with your expectations; however, please do not hesitate to contact me should you have any further questions.

### **Report**

*Completed by Regional Clockmaker Joe Mines on the 27<sup>th</sup> of January 2021.*

“On arrival the clock was stopped and after investigation I realised this was down to a number of issues. Firstly, the clock had been overwound and the weightline had come off the pulley, I reconnected this and set this up but some replacement weightline would be beneficial as it has slightly frayed where it has come off. The second reason the clock had stopped was that the fly arbour stops had come out, I replaced these and set this up. Finally, the hands were jumping forward around 5mins when they reached 12 on the dial because the T-join had wear, where the conrod connects to the dialworks. I replaced the T-join, and this reduced the jump by 4mins but there is still a small jump of about 1min. This is being caused by the end square on the clock hands with the issue feeding back through the clock system, addressing this issue would be beneficial. We would have to remove the hands and dialworks back to our Derby workshop so the end square can be repaired, dialworks stripped and cleaned before being re-balanced.

To conclude, the clock was left in working order, but I would advise that the weightline is replaced and the hands and dialworks overhauled. This would negate the jumping of the hands and reduce the likelihood of the weightline coming off the pulley, but this can always be caused if the clock is overwound.”



*Left: The pulleys where the weight line had come off (in red circle). Right: The T-join that was replaced on the dialworks.*

**Proposal**

We propose to remove the hands from the outside of the tower before withdrawing the dialworks (ratio gearing located behind the clock dial) from the inside of the tower. In our Derby workshop the end square and spindle ends, on the hands will be re-profiled, the dialworks cleaned and lubricate before the hands and dialworks are re-balanced. We will return to install these back into their original position, so the issue with the hands jumping by 1min will be negated. Our engineer will also replace the weightline with new 6mm stainless-steel weightline, so this is also in good working order.

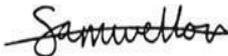
**Quotation**

Item	Price	Notes
<p>To remove the hands and dialworks, return to our Derby workshop.</p> <p>Overhaul the hands and dialworks in our Derby works, including repairs to the spindles and end square.</p> <p>To return and install the hands and dialworks whilst also replacing the existing weightline.</p>	<p><b>£2,597</b></p>	<p>Price is net + VAT.</p> <p>Please note that in the event of any further unexpected work being identified, this will form a separate quotation and the work will not be undertaken without approval.</p>

**Points to Note**

- This quotation is submitted subject to our standard Terms and Conditions and will remain valid for 90days
- A 30% deposit is required with placement of order, the remaining balance due within 30days of project completion

**Kind Regards**



**Sam Welton**  
**Sales & Operations UK**