



*Here Is Your . . .*

## **HOROLOVAR 400-DAY CLOCK BEAT-SETTING TOOL**

(U.S. Patent No. 196385)

With this tool, the final and most important operation in 400-Day Clock repair—putting the pendulum in beat—becomes simple, quick, accurate and permanent! Moreover, it can be used on any model 400-Day Clock suspension saddle, old or new.

This precision tool—expressly designed to make the day-by-day life of the clock repairman easier and more profitable—is the result of 10 years of study and experimentation with many different shapes and sizes of suspension saddles.

### **HOW TO USE IT**

#### **PLEASE READ THESE INSTRUCTIONS CAREFULLY**

**IT'S SIMPLE!** Just follow these easy steps:

- 1 If saddle is held by a screw, loosen screw so saddle can be turned.
- 2 Clamp tool tightly on the saddle at the place where it fits best. (On some models, the tool will fit better if clamped over the suspension holding screw.) Remember that the tool is not designed to grip like pliers.
- 3 Then gradually tighten saddle screw, just to the point where it becomes difficult for the saddle to turn. If this requires too much pressure on the clamp, loosen the saddle holding screw slightly. Otherwise, you may strip the threads on the thumb screw.
- 4 Put pendulum in beat.\*
- 5 Loosen clamp and remove tool. Do NOT change the position of the saddle holding screw at this point, as this may throw the pendulum out of beat.

**IT'S QUICK!** The tool saves time usually wasted by frequent over-adjustments and under-adjustments with poor fitting pliers. It remains firmly attached to the saddle during beat-setting operation, thereby making it easier to watch escapement action and pendulum rotation.

**IT'S ACCURATE!** Its long arm gives you greater control, makes micrometer adjustments possible. Adjustments are smooth—not jerky.

**IT'S PERMANENT!** It makes your final adjustment permanent, because you have tightened the saddle before the beat is set.

\*Full details on how to put the pendulum in beat appear in the Q&A section of *The Horolovar 400-Day Clock Repair Guide*.

THE HOROLOVAR COMPANY

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