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Subject: Cal 450

Posted by [JackW](#) on Sun, 06 Oct 2019 16:33:11 GMT

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With thojil's post featuring what is likely Thieboud's prototype for the 1-button chronograph that Gruen produced, I thought the cal 450 should be in the database.

<http://vintagegruen.org/vgforum/index.php?t=msg&th=1656&start=0&>

Incidentally, I think thojil shouldn't be allowed any more of these:

[http://vintagegruen.org/vgforum/index.php?t=msg&goto=239 &&srch=450#msg\\_239](http://vintagegruen.org/vgforum/index.php?t=msg&goto=239&&srch=450#msg_239)

I think though from thojil's watches, that it is plainly obvious that the 450 is developed in house. The prototype actually supports what is written in Pynson and Chaulmontet's Chronographs for Collectors. The 450 is not on Ranfft's site.

So here is the loose 450 that was on the swamp recently:

I also intend to figure out the disassembly of this watch. There is no technical information on the watch that I have been able to find.

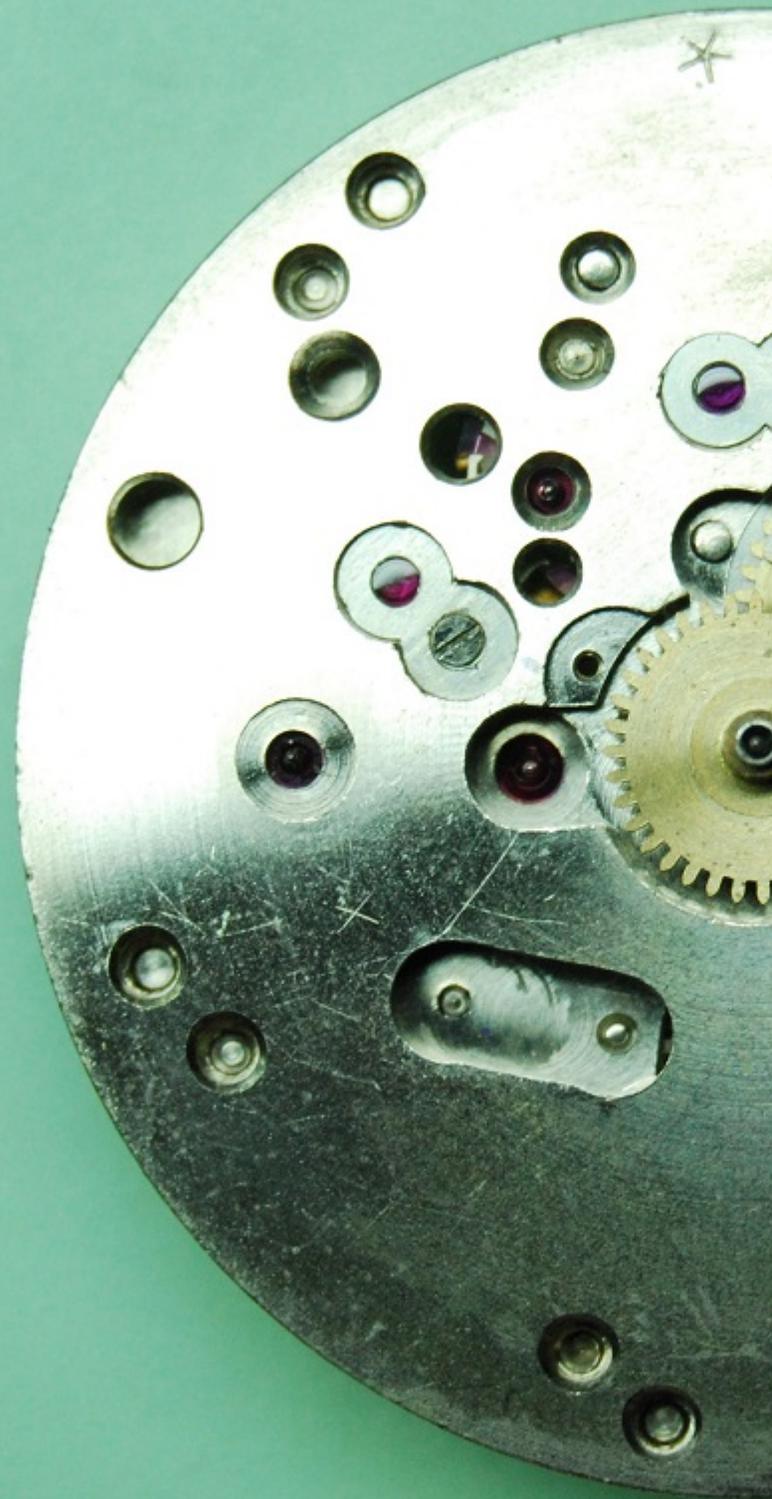
### File Attachments

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1) [dial side.jpg](#), downloaded 2684 times



2) [top plate.jpg](#), downloaded 2910 times



3) [train side.jpg](#), downloaded 2975 times



GRUEN WATCH CO  
PRECISION

17 JEWELS  
SEVENTEEN

450

Subject: Re: Cal 450  
Posted by [timeliz](#) on Sun, 06 Oct 2019 16:45:37 GMT  
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Nice score, Jack!  
Keep checking ebay for a dial. I know I saw someone selling one.

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Subject: Re: Cal 450  
Posted by [JackW](#) on Sun, 06 Oct 2019 17:39:06 GMT  
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timeliz wrote on Sun, 06 October 2019 16:45Nice score, Jack!  
Keep checking ebay for a dial. I know I saw someone selling one.  
I'd prefer a case.

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Subject: Re: Cal 450  
Posted by [timeliz](#) on Sun, 06 Oct 2019 18:03:38 GMT  
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:o Of course, that too.

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Subject: Re: Cal 450  
Posted by [Ephemerald](#) on Sun, 06 Oct 2019 22:57:25 GMT  
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There is \*some\* technical information for 450 in Gruen Catalog 545.

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Subject: Re: Cal 450  
Posted by [JackW](#) on Tue, 08 Oct 2019 02:07:57 GMT  
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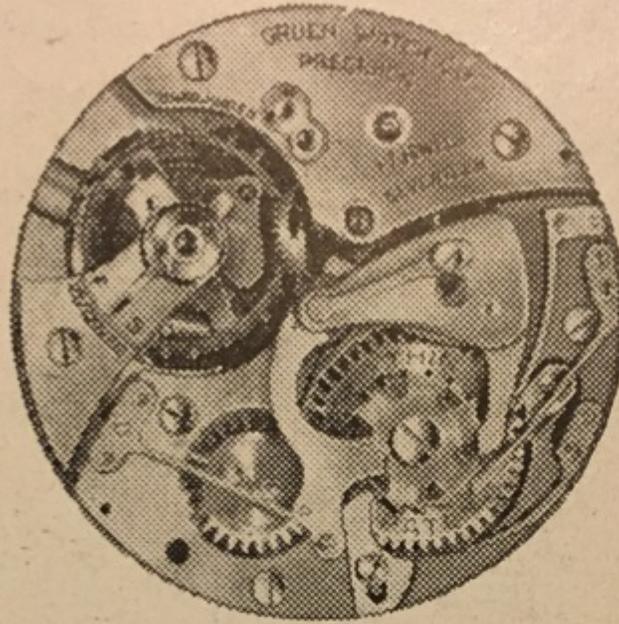
Ephemerald wrote on Sun, 06 October 2019 22:57There is \*some\* technical information for 450 in  
Gruen Catalog 545.  
you mean this?

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### File Attachments

1) [IMG\\_4071\\_sm.jpg](#), downloaded 2293 times

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**No. 450—“Chrono-timer”**—This new and most simple designed movement is called the *friction chronograph*. This model has a new method of stem fixation, eliminating the detent screw. It has the advantage over the other chronographs in that it is not as complicated, and therefore very easy to be serviced. Has 17 friction set ruby jewels, metalinvar hairspring and monometallic balance wheel. All parts are interchangeable.

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Subject: Re: Cal 450

Posted by [afire](#) on Tue, 08 Oct 2019 16:53:41 GMT

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JackW wrote on Sun, 06 October 2019 12:39timeliz wrote on Sun, 06 October 2019 16:45Nice score, Jack!

Keep checking ebay for a dial. I know I saw someone selling one.  
I'd prefer a case.

There has been a case that I think has popped up on eBay more than once. I thought about going for it at one point, but figured I'd never see a loose 450. :?

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Subject: Re: Cal 450

Posted by [JackW](#) on Wed, 09 Oct 2019 02:43:19 GMT

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afire wrote on Tue, 08 October 2019 16:53 figured I'd never see a loose 450. :?  
Me neither.

If you buy the case before I do, I can supply the movement. Then we can take turns wearing the watch.  
:d

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Subject: Re: Cal 450

Posted by [C. Hurt](#) on Fri, 11 Oct 2019 10:06:07 GMT

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Hi Jack,

I have a case. We need to talk.

PS. Liz, I have several dials, in different formats.

Cary

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Subject: Re: Cal 450

Posted by [timeliz](#) on Fri, 11 Oct 2019 10:19:01 GMT

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Thanks, Cary.

I only wish I had a 450 so I could relieve you of one of your many dials.  
:o

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Subject: Re: Cal 450

Posted by [Ephemerald](#) on Sat, 12 Oct 2019 17:09:42 GMT

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No, that's not what I meant exactly Jack but close. Mine shows the same movement but w parts & says.

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"This model has no detent screw. To remove stem simply push down on detent axis and at the same time pull out stem. To replace stem in movement simply push in stem and detent will fall automatically into stem slot."

I thought, now there is some technical information.

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