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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Complex mechanical watch movements - Terminology for the
parts and assemblies of perpetual calendar and repeater
mechanisms**

复杂机械手表机心 万年历和打簧机构零部件的名称

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed by the China National Light Industry Council. This standard is under the jurisdiction of the National Watch Standardization Technical Committee (SAC/TC160). This standard was drafted. Tianjin Seagull Watch Group Co., Ltd., Xi'an Light Industry Watch Research Institute Co., Ltd., Zhuhai Rossini Watch Industry Co., Ltd., Xiamen Gaobin Brand Planning Co., Ltd., Shenzhen Titan Clock Technology Co., Ltd., Shengzhou Hengli Electronics Co., Ltd. Shenzhen Feiyada Technology Development Co., Ltd., Tianwang Electronics (Shenzhen) Co., Ltd., Yibo Boutique (Shenzhen) Co., Ltd., Yantai Polaris There is a holding company limited. The main drafters of this standard. Zhao Guowang, Zhou Wenxia, Jin Yingshu, Zhang Lijuan, Wang Yongning, Guo Xingang, Gao Wubin, Wang Yanmin, He Guangxian, Lan Liping, Zhu Yinglin, Zhang Yun, Li Yuzhong, Zhang Kelai, Yang Li, Qi Zhiping, Yu Hongyun, Hao Zhiqiang.

With the continuous improvement of the design and processing level of domestic mechanical watches, more and more watch manufacturers began to develop and manufacture complex machines. Mechanical watches, such as perpetual calendar watches, reed watches, etc., these types of mechanical watches reflect the precision of the watch and the watchmaker's "work "The spirit of craftsmanship". Timely standardizing the name of the mechanical parts of complex mechanical watches, can apply uniform terminology in the watch industry and promote Sustainability of new technology products. Complex mechanical watch movement perpetual calendar and spring mechanism The name of the component

1 Scope

China's national vocabulary for the parts of perpetual calendar and repeater mechanisms in complex mechanical watch movements. These are the two classic complications, and they are the most intricate mechanisms in general manufacture. A perpetual calendar tracks the date through months of unequal length and through leap years without adjustment, using a cam whose profile encodes the lengths of the months over a four-year cycle - a mechanical

memory, cut into steel. A repeater strikes the time on demand, sounding the hours, quarters and minutes on gongs by a train of racks and snails released by a slide in the case, and it is generally held to be the hardest thing a watchmaker can build. Both are made of dozens of parts that exist in no other machine, and naming them consistently is the precondition for anyone servicing one. That China now publishes a national standard for this vocabulary says something about where these watches are made.

This standard specifies the name of the perpetual calendar and the spring mechanism components of the complex mechanical watch movement. This standard is applicable to the movement of complex mechanical watches (hereinafter referred to as "mechanical watches") with perpetual calendar and spring function.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6877 timing instrument parts classification, name and number mechanical watch movement parts classification, name and number

GB/T 9820.2 Terminology terminology Part 2. Technical and commercial definitions

3 Terms and definitions

The following terms and definitions as defined in GB/T 9820.2 and GB/T 6877 apply to this document.

3.1 Perpetual calendar perpetualcalendar The device that automatically drives the replacement date at the end of each month, including February 29 of the following year.

3.2 Spring repeter A function that indicates the time with a mechanical sound as required.

4 Name

4.1 million calendar The names of the mechanical parts of the mechanical watch with perpetual calendar function are shown in Table 1. See Appendix A for the schematic diagram of the movement assembly. About the perpetual calendar The name of the parts of the calendar, week, calendar, and month of the table is shown in GB/T 6877. Table

1 Name of Perpetual Mechanical Watch Movement Parts Chinese name English name description Main lever main (perpetual) lever Used to coordinate with the main (command) cam to determine the size of the month and the month, to achieve Change the calendar. Also known as "command lever" The main lever spring main (perpetual) leverspring is used for the reset of the main lever. Also known as "command lever spring" Main cam main (48month) cam Designed by calendar to determine the size of the month and the month of

the year, each Rotate in a circle for four years. Also called "command cam" The main top spring mainpawlspring is used to reset the main ram. Also called "command top spring" Main ejector mainpawl For the last day of February, April, June, September, November The calendar is converted to the first day of the next month. Also called "command ejector"

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