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Abstract



TIMEPIECE USING SPRING AS POWER

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To provide a power accumulation structure of a simple construction, in which a planetary mechanism is not used, for a timepiece using a spring as power. A power accumulation structure of a simple construction not using a planetary mechanism is a power accumulation structure using a threaded mechanism. This power accumulation structure using the threaded mechanism includes a ratchet wheel 1, a barrel complete, an externally threaded wheel supported on a plate and a wheel train receiving member and disposed so as to be meshed with the ratchet wheel, an internally threaded wheel having an internally threaded portion meshed with the externally threaded portion of the externally threaded wheel, a gear portion and a conical portion and disposed so as to be meshed with a gear of the barrel complete, a power accumulation wheel having a cumulative power pointer fixed thereto and an arm engaged with the conical portion of the internally threaded wheel, and a spring member adapted to urge the arm of the power accumulation wheel against the conical portion of the internally threaded wheel.

Figure 1