



[Designation of Document] Abstract

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A clock 1000 of the invention includes a dead-weight body, dead-weight body lifting means 100 for lifting the dead-weight body supplied to a lower position to an upper position, a rotation wheel 210 having, at its periphery, plural reception parts 212 which can hold the dead-weight body, and an escapement mechanism which actuates the rotation wheel intermittently. The dead-weight lifting means includes a drive body 110 provided with a spiral drive surface having a horizontal or inclined axis, and a rotation drive source which rotation-drives the drive body around the axis. The dead-weight lifting means is constructed such that the dead-weight body is driven on the drive surface by rotation of the drive body thereby to be translated from the lower position to the upper position. The dead-weight body lifted by the dead-weight lifting means to the upper position is supplied to the upper reception part, whereby the rotation wheel rotates by the predetermined angle. Thereafter, the dead-weight body exhausted from the reception part is returned to the lower position. Hereby, it is possible to provide a novel clock structure suitable for a moving mechanism clock, in which the operation can be performed with smaller drive force than the conventional drive force, consumption energy is small, and appreciation of the mechanism operation is superior.

