

"CLOCK"

The present invention relates to a clock and, although it is not so restricted, it relates more particularly to a portable clock for use, for example, in travelling.

5 In some known portable clocks for use in travelling, the clocks have back covers which are hinged at the tops of the clocks to enable the latter to be stood upright.

In some other known clocks, the clocks are provided with front covers which can be turned through at least
10 270° to enable the clocks to be stood upright.

Clocks are also known which are provided with special cases which support the clocks or enable them to stand upright.

Such known clocks have a complicated construction which is therefore relatively expensive to manufacture.
15 Moreover, in the case of clocks provided with special cases, the whole thickness of the clocks is increased.

Furthermore, if the angle at which the clock can be stood up is to be adjustable, a high degree of manufacturing accuracy is required which involves high cost.

20 According, therefore, to the present invention, there is provided a clock having a case whose bottom portion may be mounted on a support surface, a rotatable member which is rotatably mounted in the top portion of the case so as to be disposed above the latter, the rotatable member being
25 adapted to be rotated about a vertical axis when the said

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bottom portion is horizontal, and an elongated clock support member an upper end of which is connected to the rotatable member and a lower end of which is remote from the rotatable member and is adapted to be supported by, or is provided with means adapted to be supported by, the said support surface, the said lower end being adapted to be turned completely around the said vertical axis.

A clock according to the present invention may be of simple construction and thin. Moreover, the clock support member may be such that it may be turned with respect to the case so that the angle of inclination of the case with respect to the support surface can be adjusted.

The rotatable member is preferably substantially spherical.

The clock support member is preferably curved.

The upper end of the clock support member may be fixed non-rotatably to the rotatable member by a fixing member having a mounting portion which is rotatably mounted in the case or in means carried by the latter, whereby the fixing member provides for rotational movement of the rotatable member with respect to the case.

The case may have a hole therein in which is mounted a washer, the said mounting portion of the fixing member being rotatably mounted in the washer.

The fixing member may be a screw whose shank has an

unthreaded portion which constitutes the said mounting portion, the shank having a threaded portion which is screwed into the rotatable member and a spigot portion which passes through a hole in the clock support member.

5 The bottom portion of the clock may be provided with a counterweight.

The lower end of the clock support member may be provided with a spherical member which is adapted to be supported by the said support surface.

10 The clock may be a travelling clock.

The invention is illustrated, merely by way of example, in the accompanying drawings, in which:-

15 Figure 1 is an elevation and Figure 2 is a side view, partly broken away, of a clock according to the present invention.

20 Referring to the drawings a travelling clock has a case 1 which is substantially elliptical in shape so as to resemble a cosmetic bottle or the like. A time indicating portion 11 is provided at the central portion of the front side of the clock. A counterweight 12 is provided in the bottom portion 3 of the case 1 so that the clock may be stood up in a stable manner by mounting the bottom portion 3 on a support surface 4 such as that of a table top. A curved clock support member 2, which is an elongated member, 25 i.e. a member whose length is substantially greater than its



width, is fixed non-rotatably at its upper end 6 to a substantially spherical rotatable member 18 which is rotatably mounted in the top portion 5 of the case 1 so as to be disposed above the latter and project prominently therefrom, the rotatable member 18 being rotatable about a vertical axis when the bottom portion 3 is horizontal. The rotatable member 18 may be gilded or otherwise provided with an ornamental appearance. Thus the clock support member 2 may be turned with respect to the case 1 completely around the said vertical axis. The lower end 7 of the clock support member 2, which is remote from the rotatable member 18, is provided with a spherical member 19 which is engageable with the support surface 4 so as to be supported thereby.

A hole 15 is formed at the top of the case 1 between a front case 13 and a back case 14 which collectively constitute the case 1. A washer 16 is forced into the hole 15. A screw 17 has a shank having an unthreaded portion 8 which is rotatably mounted in the washer 16. The shank also has a threaded portion 9 which is screwed into the rotatable member 18 and a spigot portion 10 which passes through a hole 20 in the clock support member 2. Thus the screw 17 provides for rotational movement of the rotatable member 18 with respect to the case 1. The rotatable member 18 is provided with a hole 18a into which the upper end 6 of the clock support member 2 is inserted. Thus the



clock support member 2 is secured to the case 1 by the screw 17 but is nevertheless turnable from side to side with respect to the case 1. As will be seen from Figure 1, the curved shape of the clock support member 2 corresponds to the curved side shape of the case 1. The spherical member 19 may be gilded or otherwise given an ornamental appearance.

The angle of inclination of the clock with respect to the support surface 4 is adjustable with ease by turning the clock support member 2 so as to change its angle with respect to the case 1.

The clock illustrated in the drawings is of simple construction and may be made at low cost. Since it is not necessary to provide a special case for standing it up, the thickness of the clock can be decreased. The adjustment of the angle of inclination of the clock can be performed with ease. The design of the clock shown in the drawings is, moreover, so unusual that the clock may function as an interior decoration as well.



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C L A I M S

1. A clock having a case whose bottom portion may be mounted on a support surface, a rotatable member which is rotatably mounted in the top portion of the case so as to be disposed above the latter, the rotatable member being adapted
5 to be rotated about a vertical axis when the said bottom portion is horizontal, and an elongated clock support member an upper end of which is connected to the rotatable member and a lower end of which is remote from the rotatable member and is adapted to be supported by, or is provided with means adapted to be
10 supported by, the said support surface, the said lower end being adapted to be turned completely around the said vertical axis.
2. A clock as claimed in claim 1 in which the rotatable member is substantially spherical.
3. A clock as claimed in claim 1 or 2 in which the clock
15 support member is curved.
4. A clock as claimed in any preceding claim in which the upper end of the clock support member is fixed non-rotatably on the rotatable member by a fixing member having a mounting portion which is rotatably mounted in the case or in means
20 carried by the latter, whereby the fixing member provides for rotational movement of the rotatable member with respect to the case.



5. A clock as claimed in claim 4 in which the case has a hole therein in which is mounted a washer, the said mounting portion of the fixing member being rotatably mounted in the washer.

5 6. A clock as claimed in claim 4 or 5 in which the fixing member is a screw whose shank has an unthreaded portion which constitutes the said mounting portion, the shank having a threaded portion which is screwed into the rotatable member and a spigot portion which passes through a hole in the clock support member.

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7. A clock as claimed in any preceding claim in which the bottom portion of the clock is provided with a counterweight.

8. A clock as claimed in any preceding claim in which the lower end of the clock support member is provided with a spherical member which is adapted to be supported by the said support surface.

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9. A clock as claimed in any preceding claim in which the clock is a travelling clock.

10. A clock substantially as hereinbefore described with reference to and as shown in the accompanying drawings.

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