

Abstract

THIRD WHEEL & PINION DISENGAGING STRUCTURE AND TIMEPIECE POSSESSING THE SAME

To provide a third wheel & pinion disengaging structure which makes a hand setting complying with a pulling-out of a winding stem possible and can prevent a second hand from shaking even if undergoes an impact on the occasion of the hand setting, and a timepiece possessing the same. In a third wheel & pinion disengaging structure of a timepiece, a lever rotated in a plane with respect to a base body in compliance with a putting-in/out of a winding stem in A1, A2 directions possesses a third pinion setting part pressed to a third pinion in compliance with a pulling-out of the winding stem and causing the third pinion to separate from a center wheel. It additionally has a third wheel & pinion biasing spring possessing a hole part to which a third spindle is fitted and causing a third wheel & pinion to elastically bias to a position meshing with a center wheel & pinion, and the third pinion setting part of the lever is pressed to the third pinion in compliance with the pulling-out of the winding stem and causes the third pinion to separate from the center wheel while resisting against an elastic biasing force of the third wheel & pinion biasing spring. The spring may be formed in the base body, or formed in the lever.

Fig. 4