

ABSTRACT OF THE DISCLOSURE

LOCK

A lock includes a box including a front plate and a side plate projecting from the front plate, a hole defined through the side plate and a pin projecting from a center of the front plate. A latch is insertable through the hole. A latch-carrying strip is received in the box and joined with the latch. A tension spring is connected between the front plate and the latch-carrying strip, biasing the latch from the box. A handle-engaging strip is received in the box and includes first and second tabs projecting therefrom. A first torque spring is connected between the front plate and the second tab of the handle-engaging strip. A tumbler-engaging strip is received in the box and includes a left branch, a right upper branch and a right lower branch. The left branch is pivotably connected with the latch-carrying strip. A second torque spring is connected between the latch-carrying strip and the tumbler-engaging strip. The right upper branch is formed as a hook for engagement with the first tab of the handle-engaging strip. The right lower branch includes a pointed protrusion, an inclined edge, a recess and a protrusion. A concave edge is formed between the left and right lower branches. The pointed protrusion does not stay on the pin during operation of the lock.

(Fig. 1)