

U-frame Padlocks

Abstract

Embodiments of U-frame padlocks (100, 100a-100e, 200, 300, 300a, 400, 500, 600) are described. These U-frame padlocks are useful for fixing onto an eye bracket (14) of a gate (10). Preferably, a U-frame body (110) of this U-frame padlock is made of a swivel body (110a) connected by a swivel pin (120, 220, 320) to a mounting body (110b). In some embodiments, a pivot axis of the swivel pin (120, 220) is substantially perpendicular to a longitudinal axis of a locking bolt (150); in other embodiments, the axes are offset. In use on a 2-leaf gate, the swivel body (110a) can thus be turned through an angle so as not to obstruct a moveable leaf of the gate or passageway through the gate. These padlocks can be wirelessly controlled via an application in a smartphone.

FIG. 3A for publication.