

Lock Catch Mechanism for Container, and Storage Box and Storage Box Combination Applying
Lock Catch Mechanism

ABSTRACT

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A lock catch mechanism for a case comprises a lock catch member being rotatably connected to a sidewall of the case body or the lid; one or more elastic members disposed on the sidewall of the case body or the lid. The lock catch member is capable of rotating relative to the case around a horizontally extending rotating shaft, and is capable of moving upward and downward along the sidewall of the case body or the lid. The lock catch member moves upward or downward against an elastic restoring force of the one or more elastic members when acted upon by an external force and resets to a rest position when the external force withdraws. The present invention also discloses a case and a combined container. Abrasion and deformation to the case is reduced and failure of locking due to the deformation of the material of the case is avoided.

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