

CROSS-PAWL

Meaning: A cross-pawl is a mechanical component in clockwork or gear systems that engages with a ratchet to allow controlled movement in one direction while preventing reverse motion.

1. The cross-pawl mechanism allows for smooth and efficient movement in clockwork devices.
2. During the assembly of the gear system, the technician carefully installed the cross-pawl to ensure reliability.
3. The design of the cross-pawl is crucial for the functionality of many automatic watches.
4. When the cross-pawl engages with the ratchet, it prevents backward movement, enhancing the device's efficiency.
5. Engineers often experiment with different materials for the cross-pawl to improve durability and performance.

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