

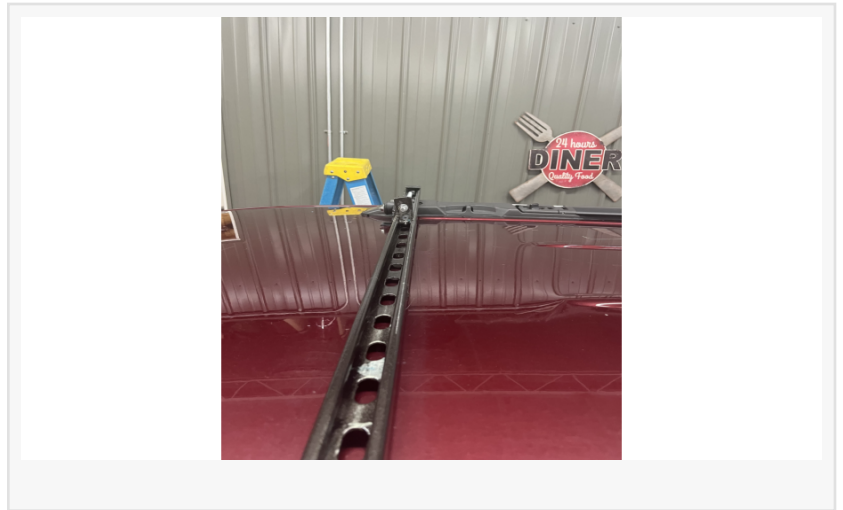
InventionHome® Product Developer Creates Mechanical Roof-Rack Attachment for Rapid Ladder Securement

PITTSBURGH, PA, UNITED STATES, September 4, 2026 /EINPresswire.com/ -- Dale K. of Minot, ND is the creator of the Quick Ladder Latch, a newly developed vehicle roof-rack attachment designed to provide a rapid method for securing and releasing ladders during transportation. The system is configured to work with an existing vehicle roof-racking structure and uses a spring-loaded retention mechanism, a retaining lip, and a safety bar to hold a ladder in position without relying on conventional ropes, tie-downs, or bungee cords.

The system incorporates a flat support bar installed across the upper portion of a vehicle's roof-rack structure. To secure a ladder, the user positions and slides the ladder into the integrated spring mechanism. As the ladder advances toward the designated retaining position, it engages beneath a lip that provides a mechanical point of retention. A safety bar can then be moved into position to further secure the ladder against unintended movement. To remove the ladder, the retention components can be released, allowing the ladder to be withdrawn from the support structure.



This configuration is intended to simplify a task that can otherwise require repeated adjustment of straps, ropes, or other temporary fastening devices. Quick Ladder Latch provides a consistent attachment point for ladder transportation while reducing the number of separate securing steps required by using mechanical retention components. The design may be applicable to contractors, maintenance personnel, service technicians, and other users who routinely transport and access ladders throughout the workday.



Key features and benefits include:

- Roof-rack integration: Attaches to an existing vehicle roof-racking system to provide a dedicated ladder-support structure.
- Spring-loaded retention mechanism: Allows the ladder to be slid into position and mechanically retained.
- Safety bar: Adds an additional retention element to help prevent unintended ladder movement after installation.
- Reduced reliance on loose restraints: Eliminates the need for ropes, straps, or bungee cords as the primary ladder-retention mechanism.
- Improved handling efficiency: Can reduce the effort involved in repeatedly loading and securing a ladder throughout a workday.
- Suitable for frequent-use applications: Intended for professionals and other users who routinely transport ladders between job sites or work locations.

Transporting a ladder on a vehicle can present both handling and securement challenges. Conventional methods often require users to position the ladder on a roof rack or other support structure and then attach multiple ropes, straps, or elastic restraints. These restraints may require repeated adjustment to establish sufficient tension and prevent the ladder from shifting during transportation. Improperly secured ladders can also move or bounce while a vehicle is in motion, resulting in damage to the vehicle or ladder and creating additional safety concerns.

The Quick Ladder Latch is suited to applications where a ladder must be loaded, transported, removed, and reloaded multiple times during a workday. Its slide-in configuration is intended to reduce repetitive handling tasks while maintaining a defined retention point on the vehicle. The result is a more streamlined approach to ladder transportation that emphasizes mechanical engagement and quick operator access.

Dale filed his Utility Patent with the United States Patent and Trademark Office (USPTO) and is working closely with [InventionHome](#), a leading invention licensing firm, to sell or license the patent rights to his Quick Ladder Latch. Ideal licensing candidates would be U.S. based product manufacturers or distributors looking to further develop and distribute this product innovation.

Companies interested in the Quick Ladder Latch can contact InventionHome at member@inventionhome.com. Inventors currently looking for assistance in patenting, marketing, or licensing their invention can request information from InventionHome at info@inventionhome.com or by calling 1-866-844-6512.

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