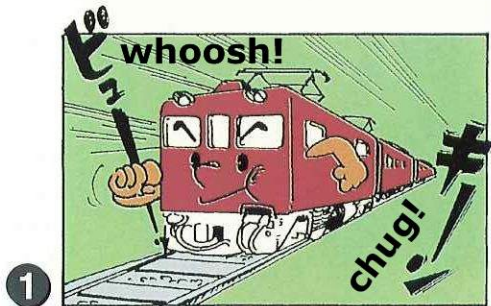
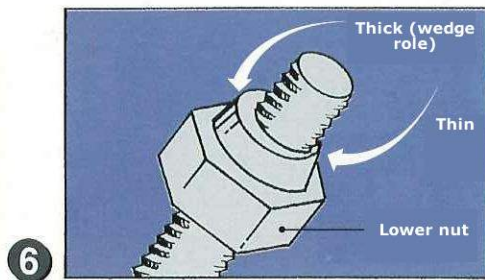


HARD LOCK NUTS

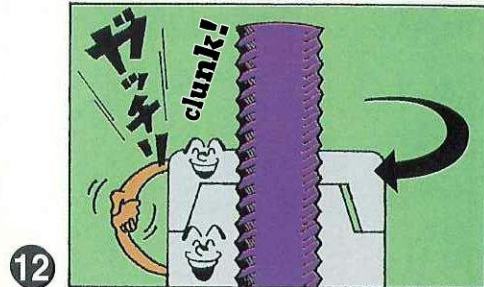
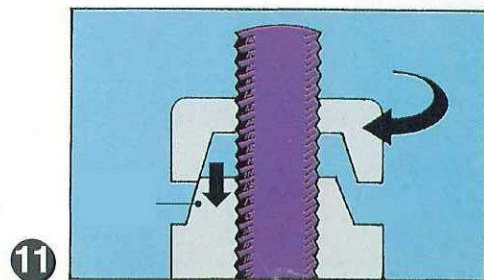
The secret of the locking energy lies in the wedge principle.



1 A high-speed train rushes along the tracks carrying precious human lives.



6 The secret of their locking energy lies in the wedge principle.



12 What's more, the Hard Lock Nut pushes in the wedge using a bolt screw, so the fastening work can be done with a minimum of force. And of course, removal is easy too.



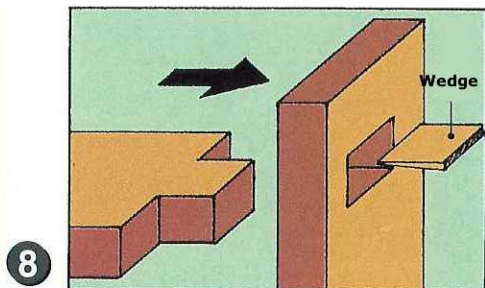
2 The amount of vibration and impact that the connecting parts linking the carriages and related equipment have to absorb is beyond the imagination.



7 In the first place, what is a wedge?



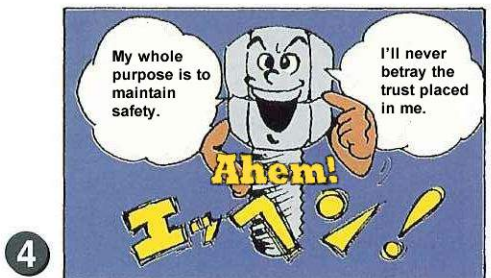
3 If the nuts fastening the connecting parts work loose or drop off as a result of these forces, then...



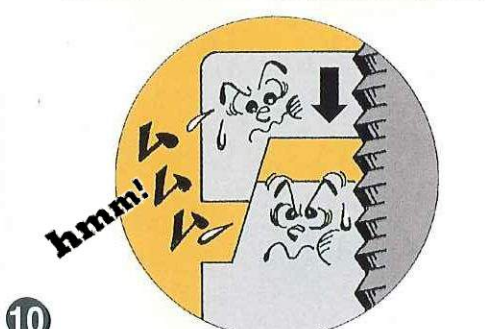
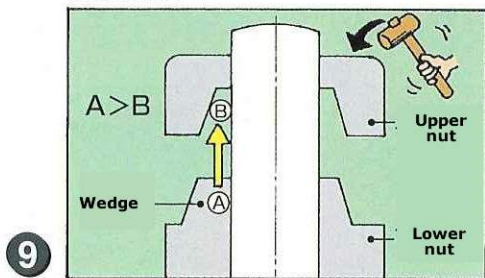
8 It's a construction technique for connecting things (such as pieces of wood) that has been used since ancient times.



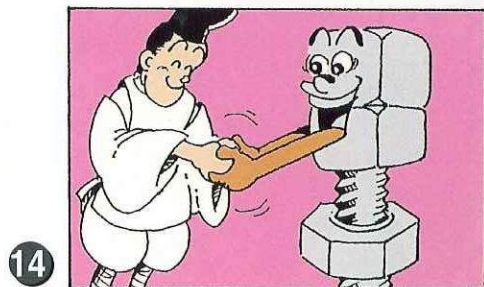
13 The wisdom of ancient carpenters has been used for thousands of years to protect wooden buildings from disasters such as high winds, earthquakes, etc.



4 In order to ensure safety requires, what we need is a nut that never loosens.



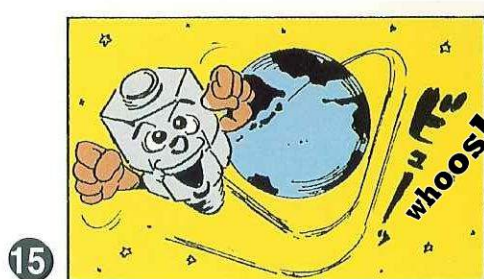
10 Look at this cross-sectional view. Here, the lower nut (A) is carrying out the wedge role. When (A) is pushed into the space of the upper nut (B), a wedge effect is exhibited. This results in a powerfully locked condition.



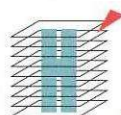
14 The wedge principle at the heart of the Hard Lock Nut draws and improves upon this established wisdom.



5 Hard Lock Nuts never loosen under vibration or impact.



15 Hard Lock Nuts feature a semi-permanent self-locking function that allows them to maintain and protect safety both today and far into the future.



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