

MULTIFUNCTIONAL DEVICE FOR BICYCLES

Description:

Multifunctional device consisting of load carrier and anti-theft lock for standard bicycles. Its main purpose is the transport of goods for daily consumption, being secondary the transport of other types of merchandise or cargo. In this way, when the user deposits the bicycle in a public place to enter the store to make the purchase, thanks to the incorporation of a rotating mechanism, the same device can be used to secure the bicycle to a fixed element of the environment, to anti-theft padlock mode. Therefore, its multiple use manages to dispense with a common anti-theft device.

Keywords:

[Device](#), [Bicycle](#), [Transport](#), [Multifunctional](#), [Anti-Theft Device](#), [Support](#), [Padlock](#)

Sectors:

[Engineering](#), [Construction](#), [Transport](#), [Tourism](#), [Culture and Education](#), [Others](#)

Areas:

[Industrial](#), [Components](#), [Quality of life](#), [Mechanics](#), [Technological Improvements](#), [Transport](#)



Advantages:

The device has the following advantages: - There is no product that meets the characteristics of cargo transport by bicycle and anti-theft security simultaneously. - The device is compatible with the types of bicycle in common use (road, mountain and tour), as well as the different sizes. - For the mode of transport, the user has two positions, so that they have the option of hanging the shopping bags directly on the device or on a special bag adaptable to it. - It does not need a special assembly, and this is relatively simple for the user. - Thanks to the mechanism it has, the device has a wide margin of space for the security mode, so that it can be attached to large diameter fixed elements.

Uses and Applications:

The main function of the proposed model is the transportation of daily consumer goods on a standard bicycle. Together with the above, the device has the particularity of being able to also function as an anti-theft lock, making it a product that combines two concepts as never before through a multifunctional nature.

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