

How to move everyday products like shopping bags, small household items, hobby items etc. in easy and simple way by bicycle in the city environment with style?

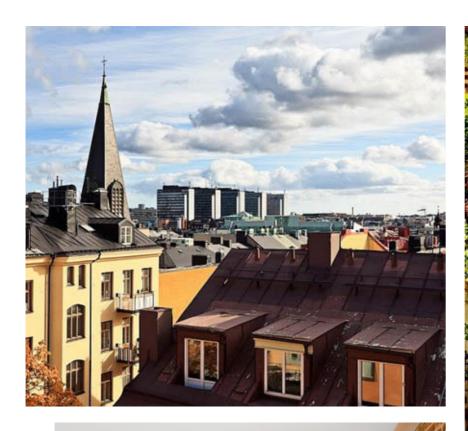






PEOPLE WHO LIVE IN THE CITY ENVIRONMENT AND USES BICYCLE IN THEIR EVERYDAY LIFE TO MOVE AROUND

LIIKKUVAN ARJEN DESIGN



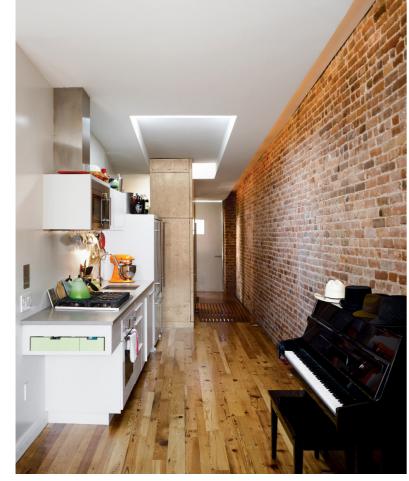


















IN YEAR 2012 TWO DESIGNS WAS MADE FROM THE SAME TOPIC



Hänninen, Järvinen, Raudaskoski ja Venäläinen

BUGGY consentrated moving things in light and easy way.



THE TRIGO consentrated how to move children by bicycle easy and safe way.



The product is designed for city so it doesn't look like camping equipment

Match with the bicycle look

QUALITIES

Achievable price

The attachmet is easy and quick to use

Narrow and light construction

LIIKKUVAN ARJEN DESIGN

ROX2 78

RAUTKOSK

HEIKKINEN







The Weber Monoporter

"Designed for cycling tours in the nature especially for cycling travel."

One wheel, joins into the hub axle from both side Quick assembly Folding

Price 430€

Max weight: 22kg

Trailers weight: 5,75kg

Overall length: about 150cm

Extrawheel

"Is very practical set for both short trips and long journeys."

The luggage is on the both side of the wheel in bike packers Quick assembly to the hub axle from both side

Price: 360€

Max weight: 35kg

Trailers weight: 4,75kg

Overall length: about 70cm

The Heavy Duty Trailer

"A large trailer designed to haul your heavier supplies. Shopping for the family, camping supplies, business supplies, gardening stuff."

Two wheels

Joins into the hub axle from one side

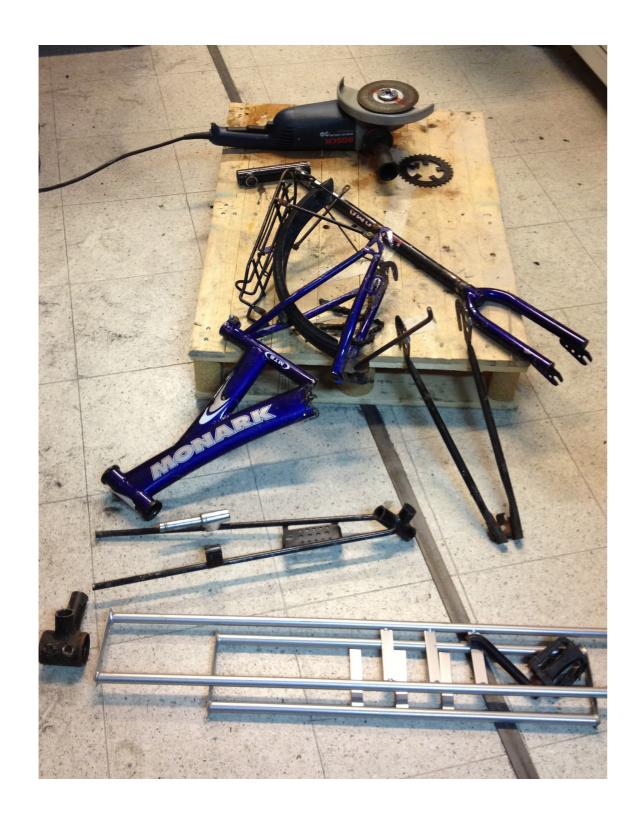
Price 260€

Max weight: 68kg Trailers weight: 8kg

Overall length: about 152cm



TEST MODEL



We made a rough model from an old bicycle parts to test how the frame would work and see the porpotions.









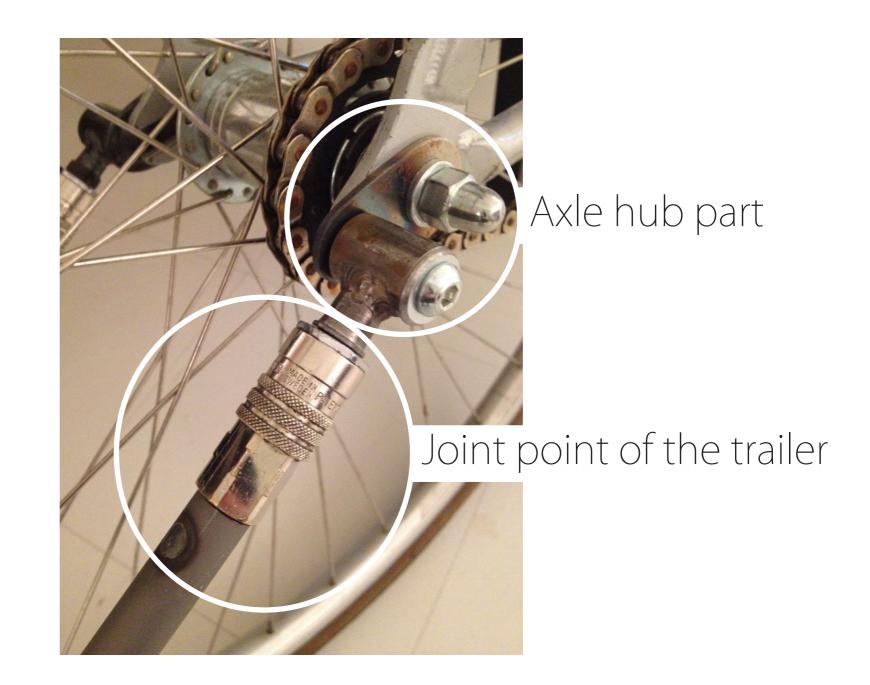
FRAME

Consist from two forks, which are made from steel or aluminium pipe. The forks are attach to each other in the middle. The joint where the trailer turns is in between of them. This is how we were able to keep the frame short and lightweighted.

ATTACHMENTS

There is two parts that will be attached to bicycles hub axle. You can have many of these small parts which can be attached to different bicycles at the same time. The trailer joins into these two parts easy and quick way.

Reason to attach the trailer to hub axle is that the rack remains free for children safe seat and the trailer will be more stabile.

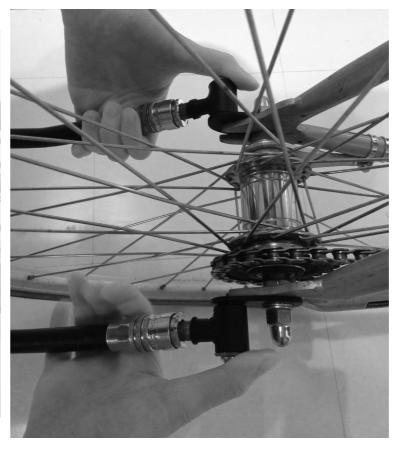


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this is how the attachment works



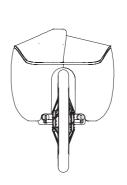


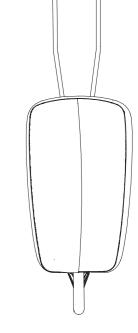


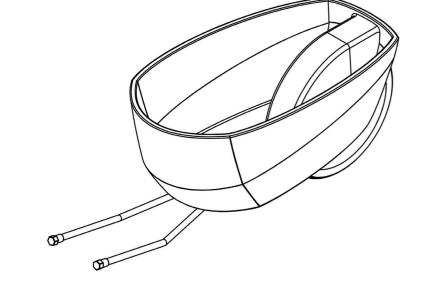


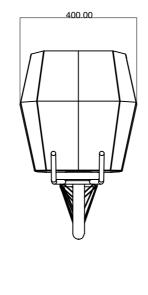
the box

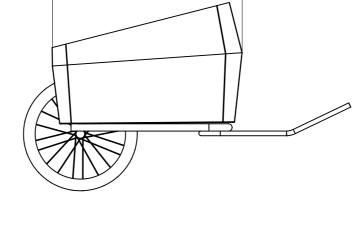
Made from high-density polyethylene. The box is attached to the frame from the bottom. The cover is made from fabric.

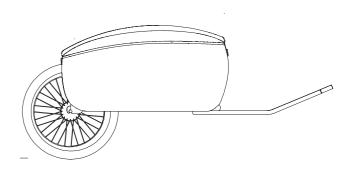


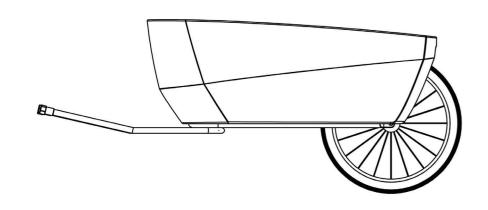


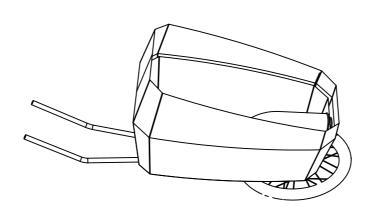


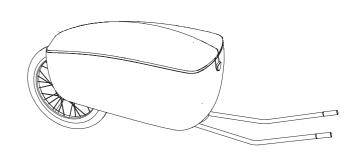










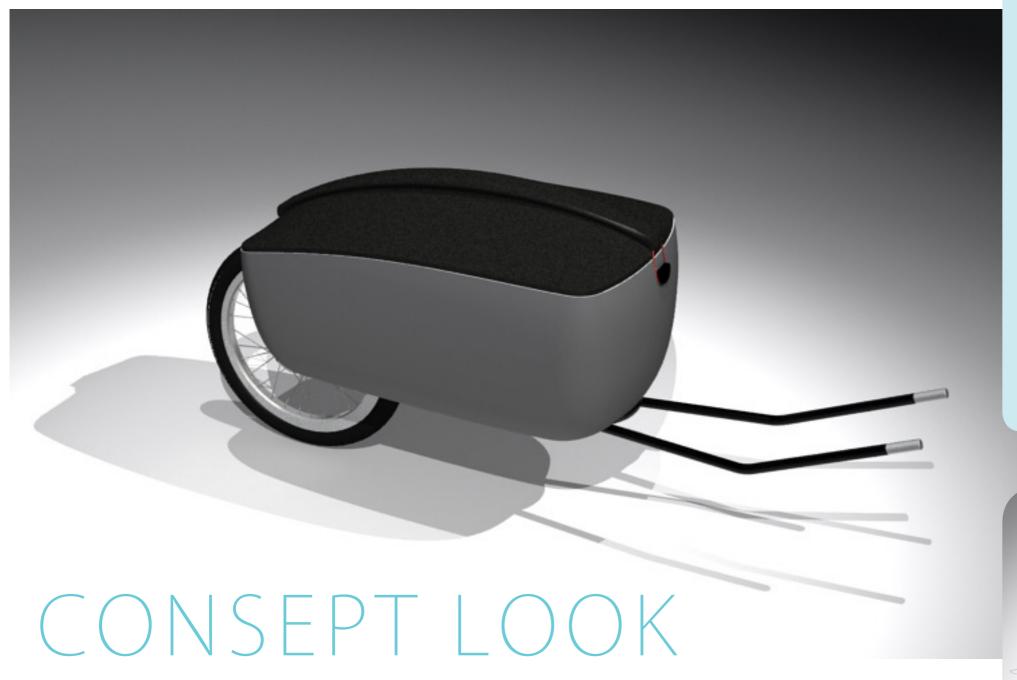




frame proto



HEIKKINEN

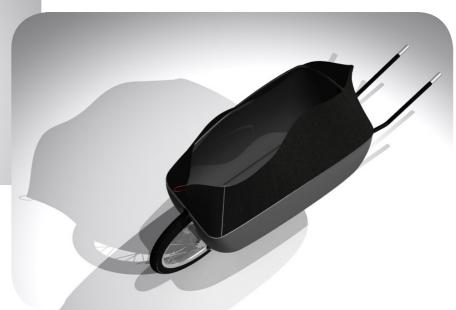


BOX2.78

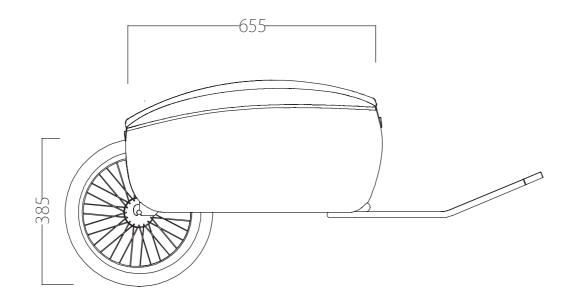
"Designed for dailyuse, specially for grocery shopping, in city environment"

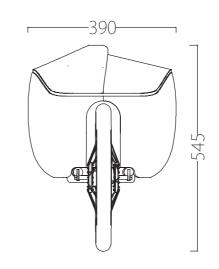
One wheel, joins into the hub axle from both side
Quick assembly
Narrow construction

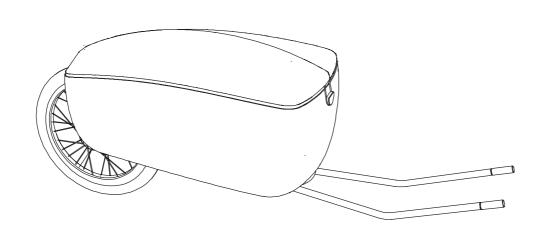
Price: 80-150€ Max weight: ~25kg Trailers weight: 6kg Overall length: 80cm

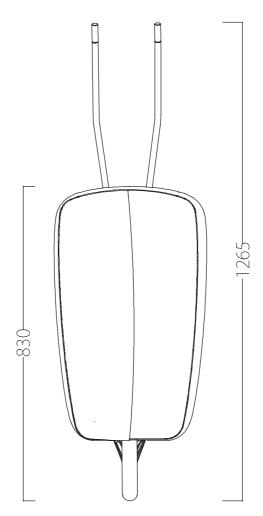


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1:10 DIMENSIONS











