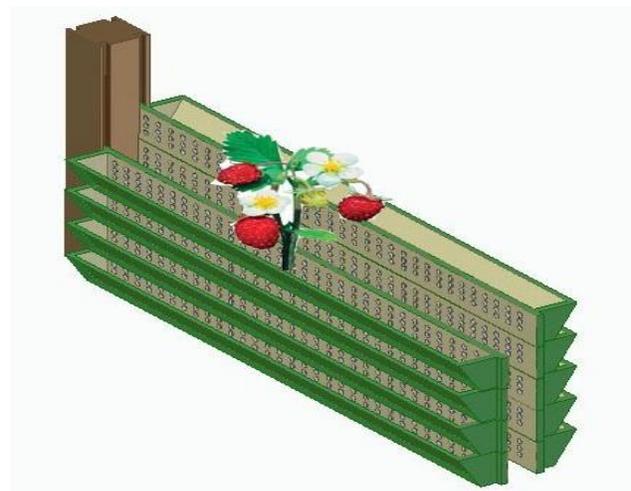


Vertical Garden with Unified Soil

The vertical garden of the presented configuration is the cheapest, simplest and ergonomic in the world, since it does not need a steel frame. The durability of the structure is ensured by special grooves on the blocks.

Blocks are made from plastic waste. In this way, two problems are solved - nature is cleared of plastic waste, and the area of cultivated land is increasing.

In addition, this design has agricultural benefits too.

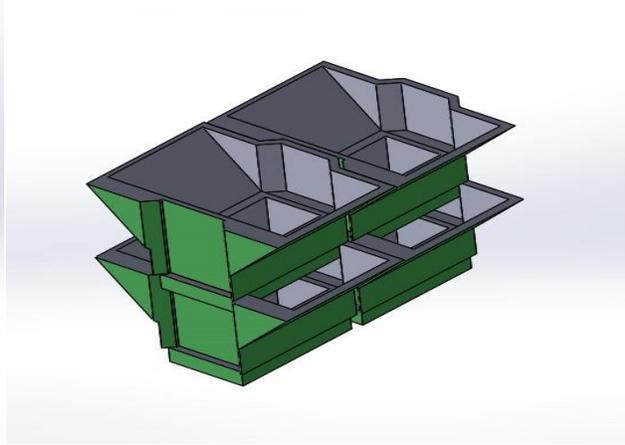
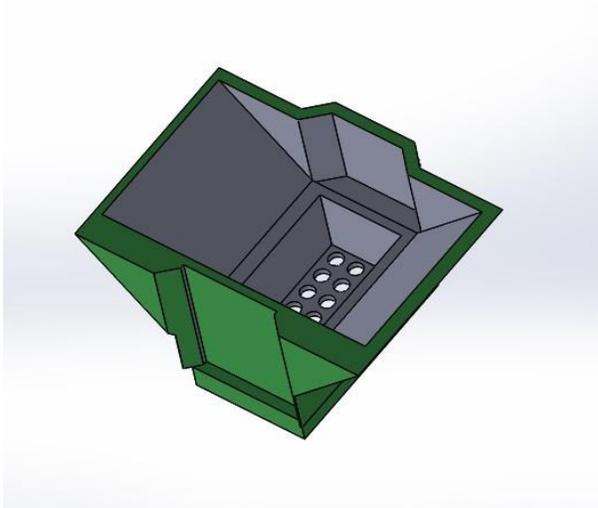


In particular, common vertical gardens with hydroponics allow you to grow **only** greens and lettuce.

Other crops have a genetic need for large roots, as small roots cannot absorb a lot of nutrients from a thin layer of hydroponics.

The vertical gardens of our design allow us to grow crops such as peppers, cabbage or eggplant, since such a garden has a united soil.

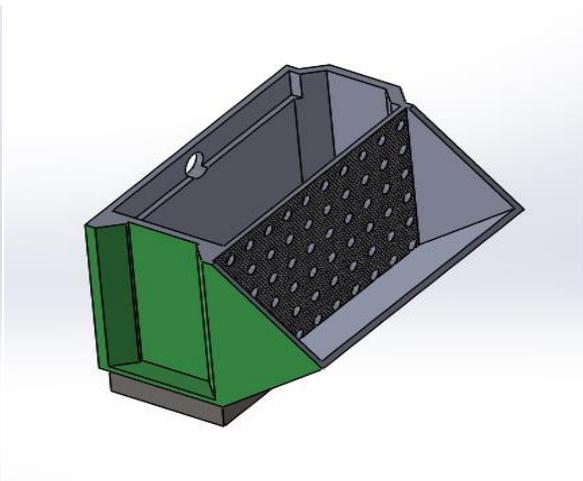
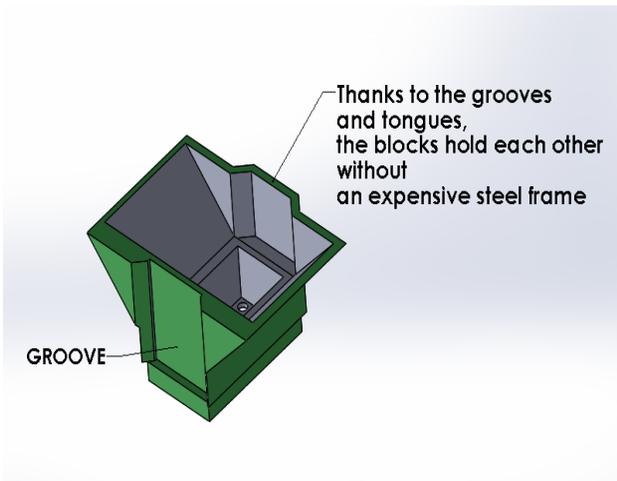
The digestibility of water increases too, since the density of the location of the roots is much greater.



Despite the simplicity and obviousness, this technology is recognized as innovative by international experts.

It became the winner of two international competitions, and the finalist of five more.

Innovative are the grooves on the blocks that replace the expensive steel frame, as well as partitions and the shape of the bottom, which ensure the unity of the soil.

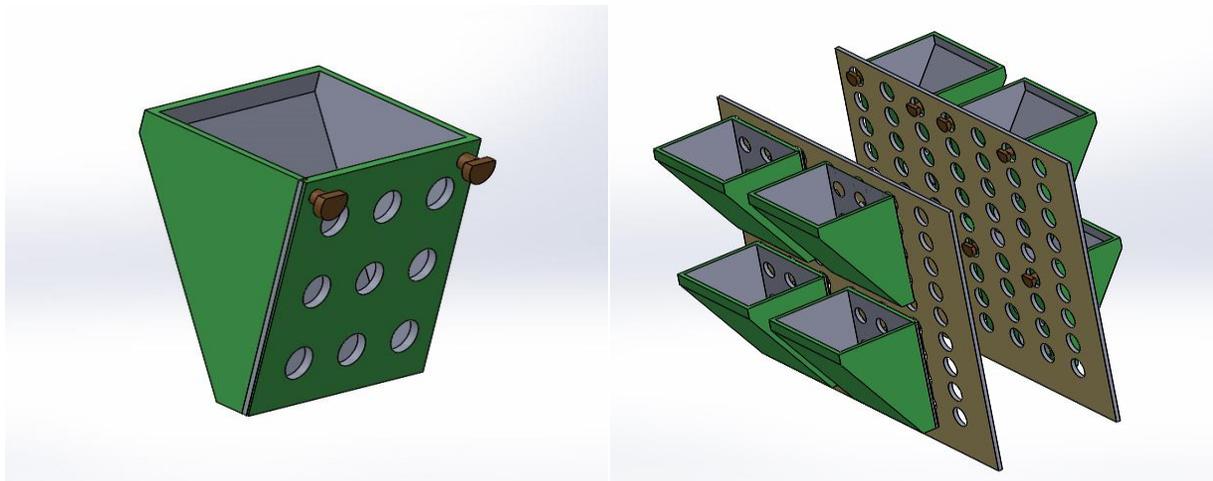


Several different configurations of such a green fence are possible, and each of them has patentable know-how.

Such a fence made of plastic waste may not be more expensive than other fences.

These green blocks can be distributed to low-land peasants as a grant or social assistance.

Other configurations of such a vertical garden are possible - for example, with removable blocks.

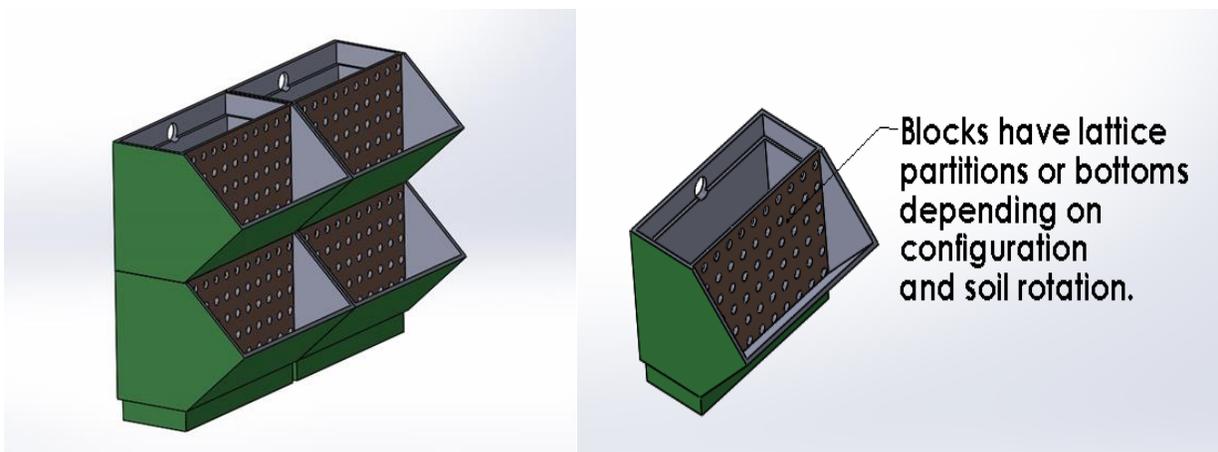


If the plants require more soil, the blocks will be one-sided.

Walls from such blocks will be removed from each other at a great distance and more soil will be filled up between them.

Such blocks are also suitable for hedges.

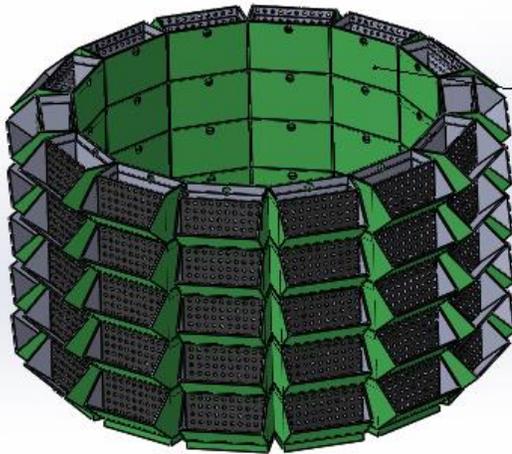
For taller plants, walls with cylindrical blocks will be used. This arrangement allows the plant not to bend under the top layer of blocks.



More diverse configurations of vertical gardens are also possible.

For example, if the roots of a vegetable require even more soil, then towers will be built with these blocks.

Inside such a tower there will be several times more soil than in the wall.



This configuration provides the plant roots with more soil in the center between the blocks.