

## **Xenotransplantation and the method of fattening animals (pigs)** **petersmdt.nl petersmdt.com**

The method as described in patent NL.1037841 that I withdrew for publication because I did not agree with the 2010 research report, this method may be suitable for xenotransplantation.

Due to the environmental benefits, I have decided to release the technique of the invention on my site petersmdt.nl and petersmdt.com in December 2021.

Some key points of the invention are:

- Vegetative fattening of pigs;
- Pigs lie in a U-shaped mat that grows in length and width depending on the weight of the pig;
- The pig mats are placed vertically one above the other in a row at a distance;
- The mats are attached to straps that can tilt the mats very slowly to prevent bedsores;
- Because the pigs are positioned above each other at a distance, they have no contact with each other;
- The pressure sensor placed in the mat continuously measures the weight of the pig and depending on this, the pigs are fed by a peg probe;
- Faeces and urine are collected by a container with drainage placed on the back of the body.

### **Why is the above method potentially suitable for xenotransplantation?**

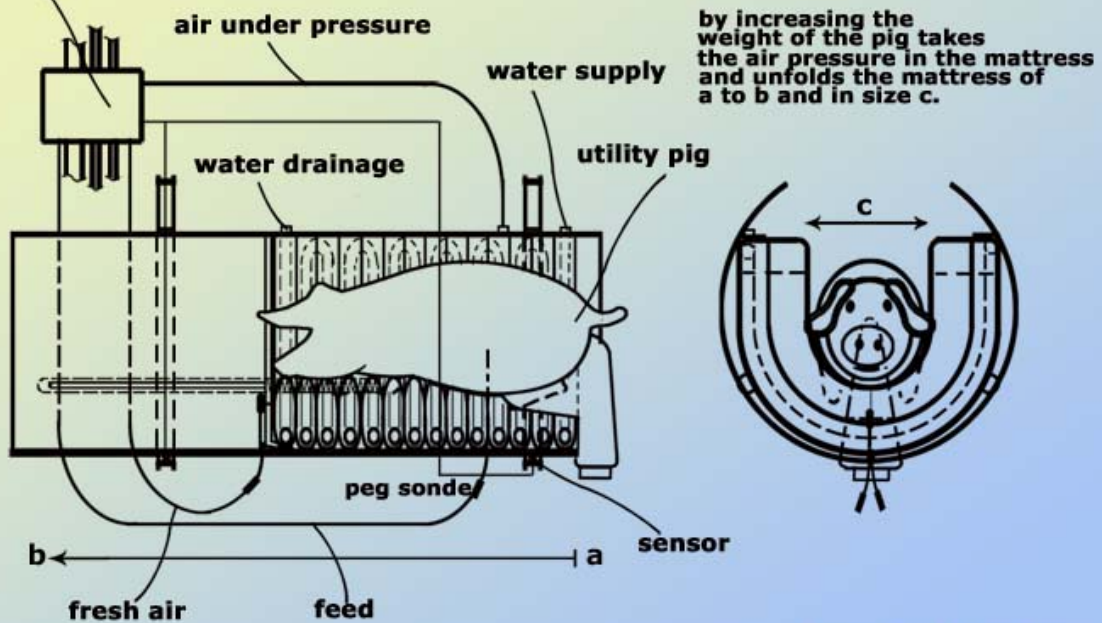
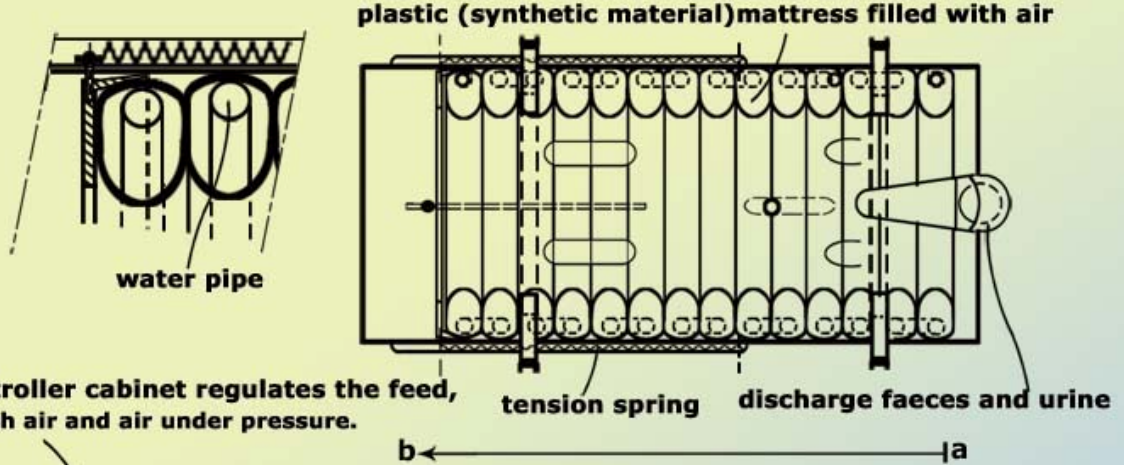
- On a limited surface, many pigs can possibly be made suitable for transplantation;
- Due to the vegetative state, the pig has no pain with all the treatments necessary to make the organs suitable for transplantation to humans;
- Because the animals have no contact with each other, less antibiotics are probably needed;
- Because the faeces and urine are collected, the pigs stay clean;
- The animals are easy to monitor on weight, temperature, etc.

# Method for fattening-

may also be suitable for Xenotransplantation.

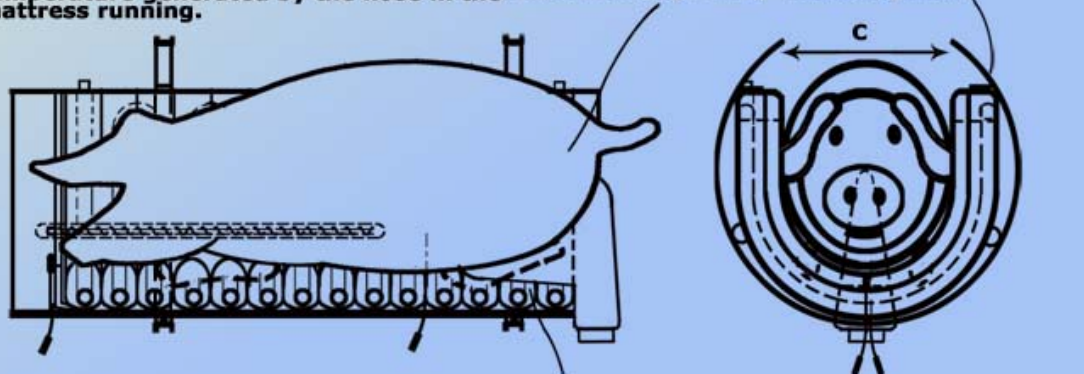
## U Shape Growth Related Mat With Temperature Control

the pig is continuously monitored for weight and depending on the weight, determined the amount of feed, fresh air for the pig and the air pressure in the mattress.

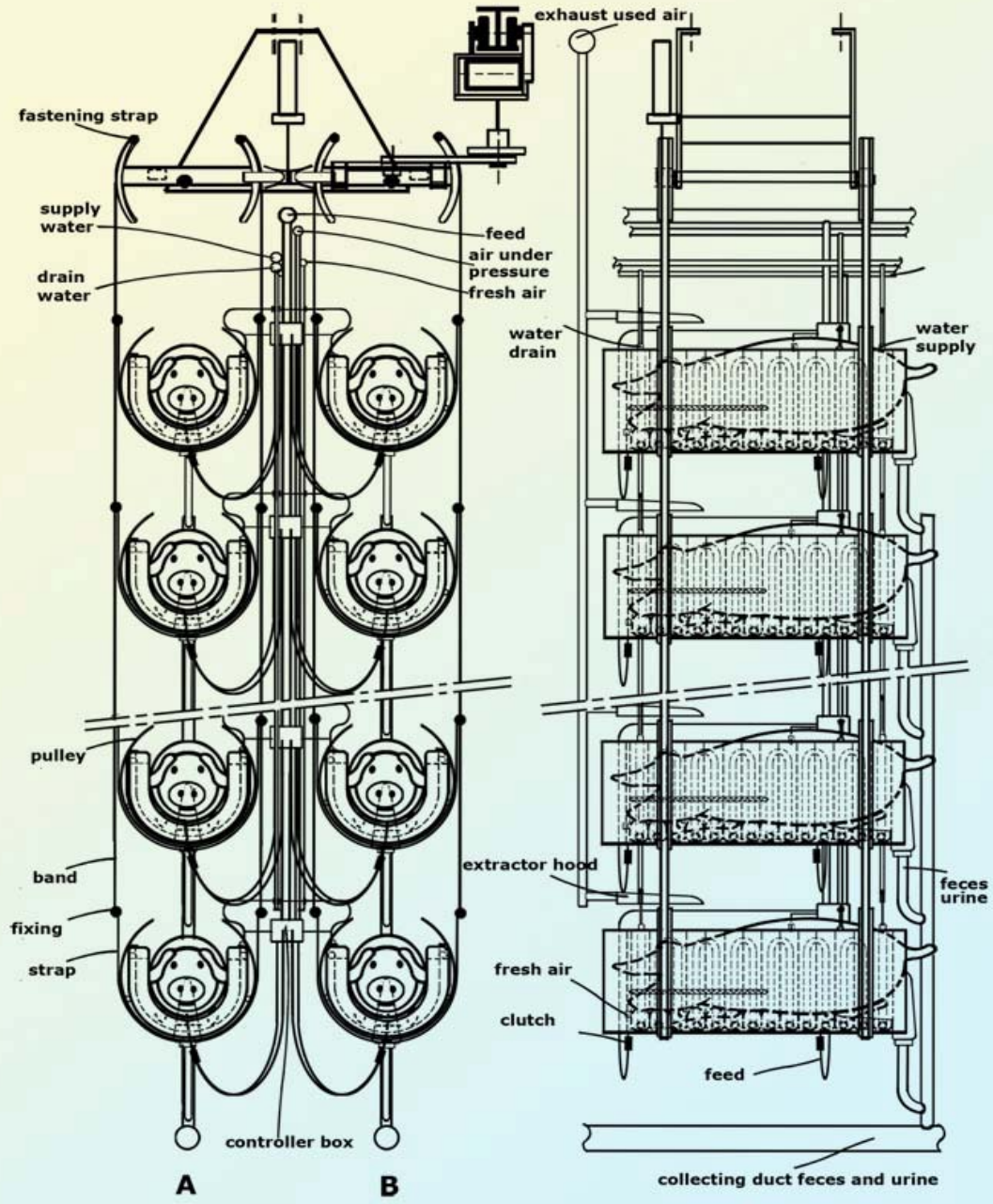


cooling or warming the pig is controlled by water at proper temperature generated by the hose in the mattress running.

fattened pig ready for slaughter



To prevent large air movements in the barn, the pigs are cooled or heated with water in a closed-loop system. In the summer day the heated cooling water is stored to be used again in the winter to heat the pigs. Fresh air at the head of the animal is collected again, together with the exhaled air, by an extractor hood, after which this air is purified and made ready for use, after which it is offered again at the head of the animal.



**Tilting system with growth-related mats  
to prevent bedsores (decubitus ulcers).**

