

Application No. 336: Exercise for rabbits

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A flexible and easy to attach annexe to a rabbit pen

To give my rabbits a little bit more freedom I built an annexe to their rabbit pen. It should primarily prevent escapes but also be easily removed for space-saving purposes. That gave me the idea of using magnets to connect the individual pieces instead of hinges or rigid angles.



Material needed:

- 2 wooden frames, each approx. 60 x 60 cm
- 1 wooden frame approx. 60 x 100 cm
- 2 pieces of wire lattice, each approx. 60 x 60 cm
- 1 piece of wire lattice approx. 60 x 100 cm
- 8 block magnets Q-30-10-05-N (www.supermagnete.nl/eng/Q-30-10-05-N)
- Adhesive UHU plus endfest 300 (www.supermagnete.nl/eng/M-15)
- 2 steel pipes, each approx. 50 cm long, diameter 10 mm
- Connector plates

Assembly:

First, I had to mill a 10 mm deep notch in every corner of the square frame (60 x 60 cm). I did this with a 5 mm milling cutter. Then, I attached the wire lattice on the one side of all three wooden frames. At last, I used your adhesive UHU plus endfest 300 (www.supermagnete.nl/eng/M-15) to glue two block magnets into the notches.



Then I milled a long notch into every side of the third wooden frame (60 x 100 cm), sunk a steel pipe and screwed it tight.



I screwed small connector plates on the cabinet in which the rabbit pen is located.

Now, I can connect the three wooden frames through magnetic force. The side pieces on the left and right adhere on the one side to the connector plates and on the other side to the steel pipes of the front side (see picture below). The advantage of this construction is that I can make the connection in various angles due to the radius of the pipe. The connection doesn't break even when you move the annexe a little bit.





Magnets and pipe adhere to each other and are still flexible



Now it's time to close the annexe - one rabbit already tried to get out!

Note from the supermagnete team: Another interesting project regarding the keeping of small domestic animals is the application "Vacation Home for Rats" (www.supermagnete.nl/eng/project109).

Articles used

M-15 (www.supermagnete.nl/eng/M-15)

Q-30-10-05-N (www.supermagnete.nl/eng/Q-30-10-05-N)

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