

Spider box

A nice box with a scary surprise!

AGE
7+ yrs

TIME
30-45 min

laser cutting | wood

Lasercut template (laser-template.dxf): scan the QR code

Scan for the online version

What do you need?

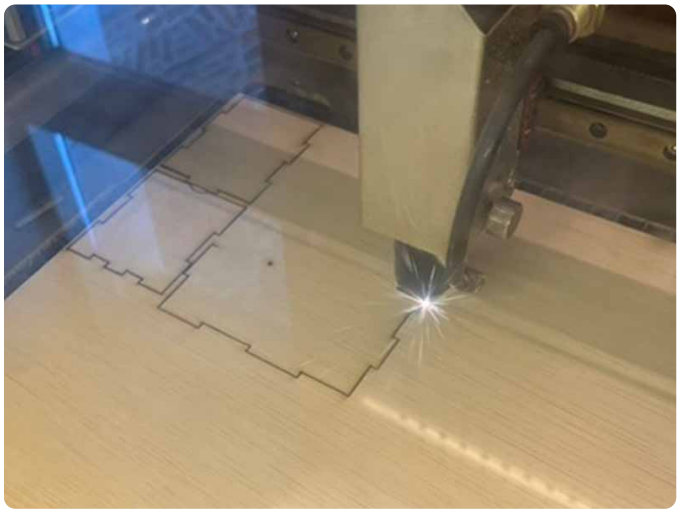
MATERIALS

- [ ] 3 mm plywood
- [ ] Woodglue
- [ ] 13 cm of 2 mm wire
- [ ] 15 cm of thin rope
- [ ] Small plastic spider
- [ ] 48 mm dowel (diameter 10 mm)
- [ ] 2 small nails
- [ ] Candlewax(optional)

TOOLS

- [ ] Laser cutter
- [ ] Wire cutters
- [ ] Pliers
- [ ] Glue gun
- [ ] Scissors
- [ ] Small clamp
- [ ] Sand paper

Steps



1 Cut the wood

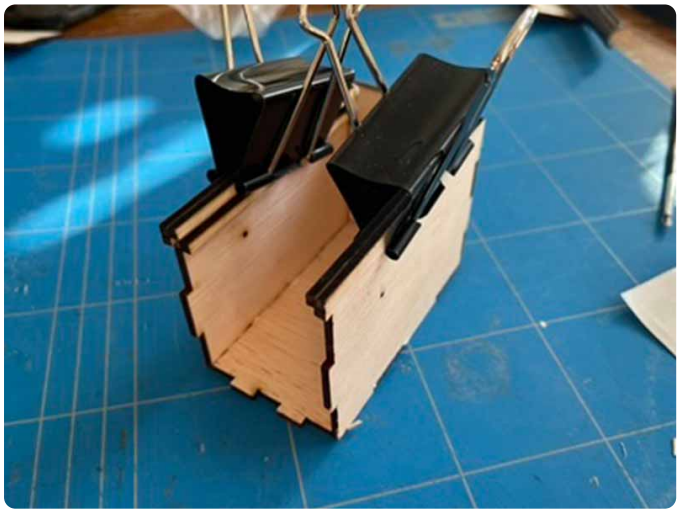
- Use the provided template and the lasercutter to cut the plywood.



2 Glue the sliders

- Glue the two sliders on the sides. The area where to glue them is marked on the wood.





3 Build the box

- While the glue dries, you can use some clamps to keep the sliders in place.
- Build the box, except for the front panel with the little cut-out. Use glue.





4 Drill the dowel

- Drill a hole slightly smaller than the nail in the ends of the dowel.
- Drill a hole the size of the metal wire trough the side of the dowel.

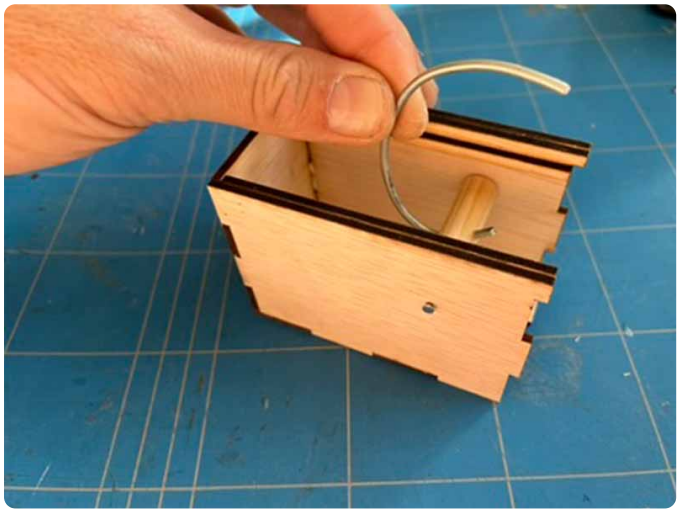


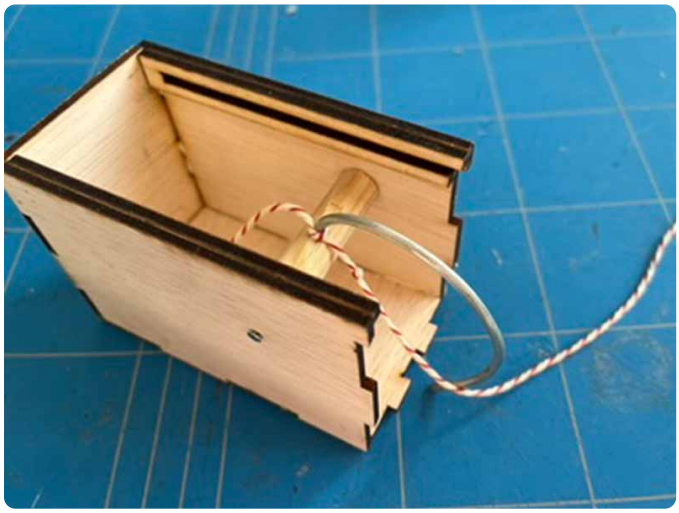
5 Assemble the axle

- Cut down the nails.
- Place the dowel inside the box. Push the nails trough the holes in the side into the holes in the dowel.



5 Assemble the axle — *continued*



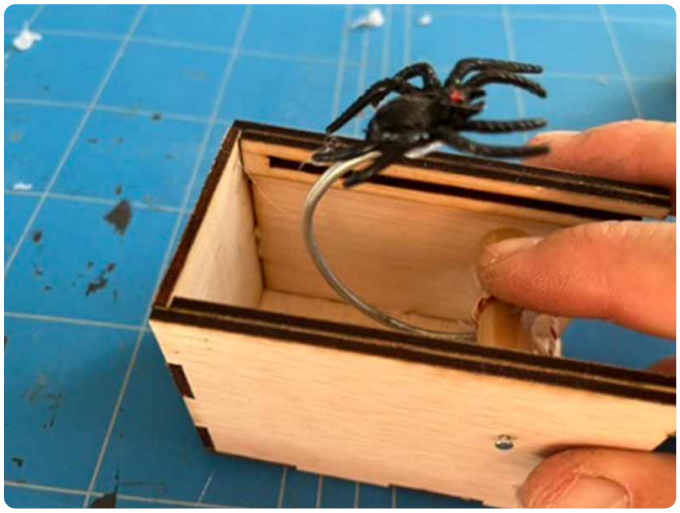


6 The steel wire

- Cut the steel wire to about 13 cm.
- Bend a curve and place it trough the hole of the axle. Beware of the orientation.
- Tie the string onto the metal wire.
- Add a bit of hot-gue to where the rod goes into the dowel. This should keep the wire in place and keep the knot from coming undone as well.

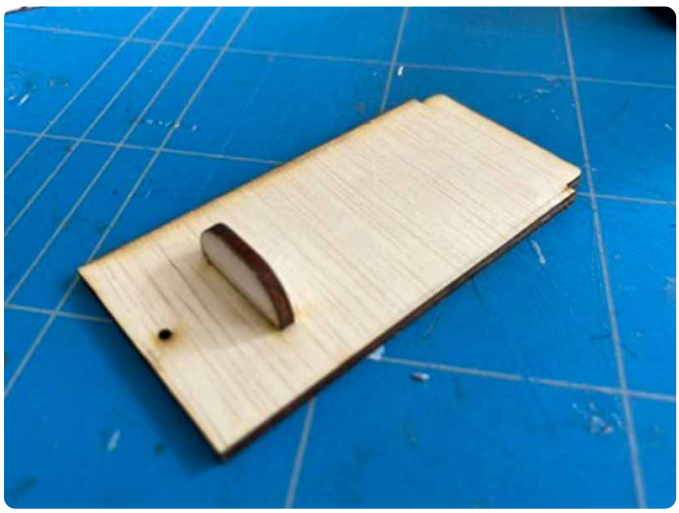


6 The steel wire — *continued*



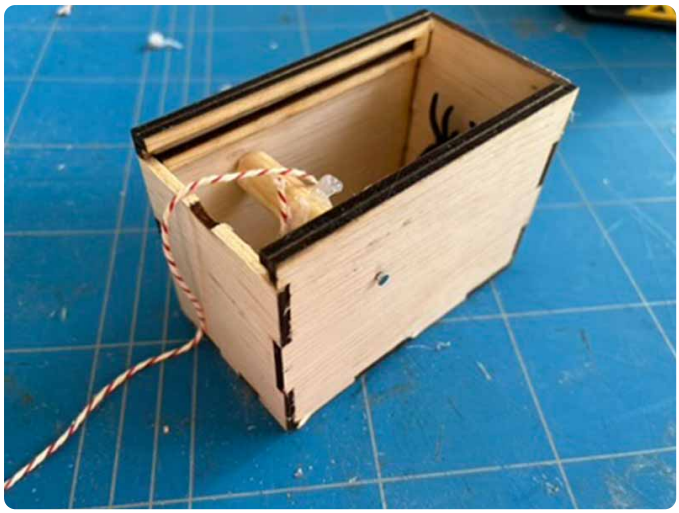
7 Add the spider

- Test if your wire can move in and out of the box properly.
- Glue the spider to the wire, and adjust if needed.
- You may need to cut the wire down a bit.

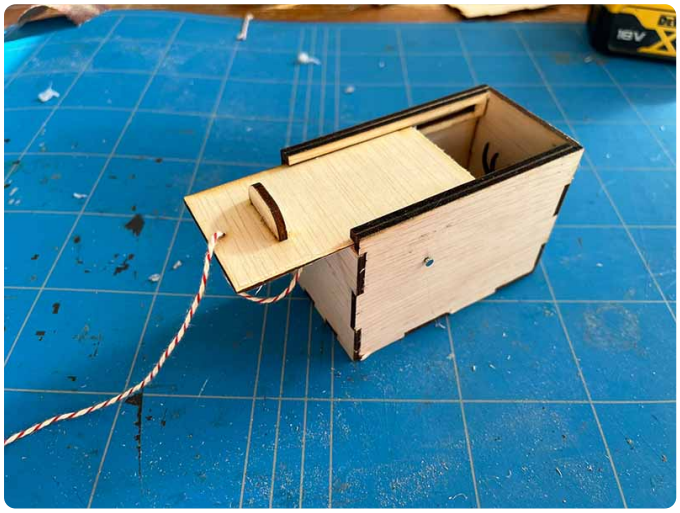


8 Finish the box

- Assemble the lid.
- Glue the front of the box in place.

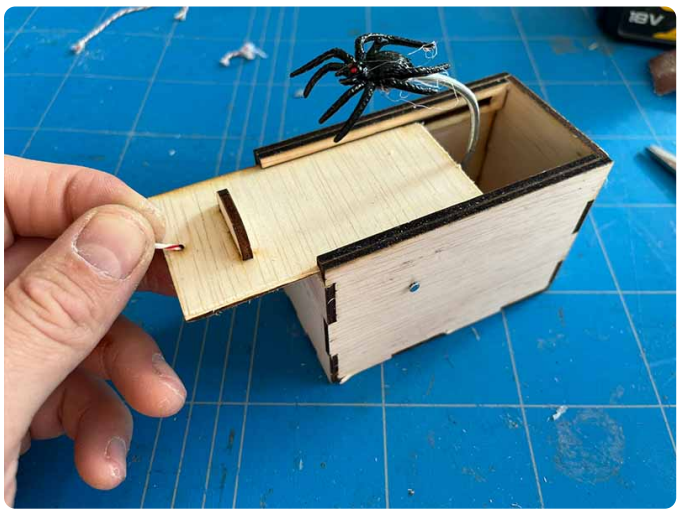


8 Finish the box — *continued*



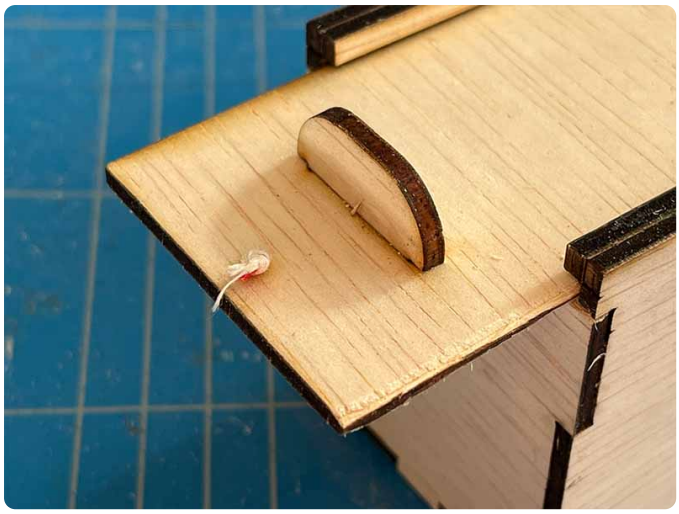
9 Install the lid

- Slide the lid into the box.
- If it doesnt go smooth: sand the lid, or lubricate the lid with some candlewax.



10 Attach the string

- Feed the string trough the hole in the lid.
- Test to see how far the string needs to be pulled trough.
- Tie a knot and cut off the rest of the string.



10 Attach the string — *continued*



11 Finished

- Go and find a victim to test your box on.