



Agatha's Clank

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Summary

A model based on Agatha's little Clank from the Girl Genius webcomic (<http://girlgeniusonline.com/>).

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Tags: [3d](#) [girlgenius](#) [model](#) [openscad](#) [robot](#)

A model based on Agatha's little Clank from the Girl Genius webcomic (<http://girlgeniusonline.com/>).

It has slightly posable arms and legs. The model's eye can be positioned to look in various directions. Finally, the winding knob on the top will turn. With a little practice, you should be able to stand the little clank.

I've marked it as non-commercial because the original concept is not mine, and I think the creators of Girl Genius should get a say in commercial applications.

Instructions

The clank-limbs.stl file should be printed with 0.30mm thickness, 1 shell, and 60% infill.

All other plates are printed with 0.30mm thickness, 2 shells, and 35% infill.

Assembly of the model is not 100% obvious until you've done it once. Print all of the

pieces and clean up the parts, if necessary.

1. From the `clank-limbs.stl`, take the round shoulder objects and the arms (long rectangles pinchers on the end).
2. Cut two pieces of 3mm filament a little less than 1cm long.
3. Apply a small amount of acetone or glue to the filament and the openings on the arm and shoulder.
4. Use the filament to attach the shoulder to the arm.
5. Repeat for the other arm.
6. Carefully smooth out any droopy stuff in the cavity in the back piece.
7. Place the flat part of the eye (the part without the hole) in the cavity in back piece.
8. Push the front piece on over the eye until the eye snaps into the front piece and the back and front are flat together.
9. Separate the back and front.
10. Place the cone part of the stem into the cavity in the top of the back.
11. Brush acetone or glue on the flat portions of the back and front. Be careful not to get any on or too close to the eye or stem.
12. Line up the front and back. Stick them together and hold until the joint sets.
13. Brush a little acetone or glue around the joint being careful not to get any on the stem or into the gaps where the arms and legs go.
14. After everything is dry, snap the arms and legs into the appropriate holes.
15. Enjoy.

For a little nicer effect, paint the eye before assembling the clank.

Model files

clank-front.stl



clank-limbs.stl





clank-back.stl



clank-eye.stl

[Find source .stl files on Thingiverse.com](#)

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