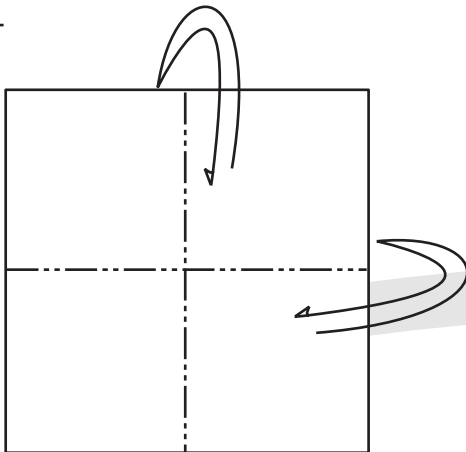
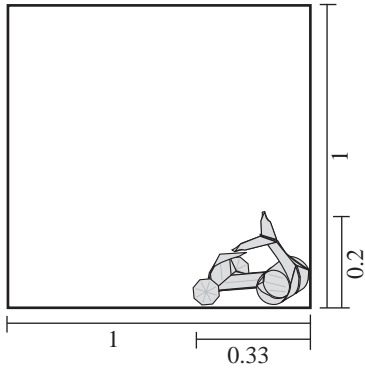


Tricycle

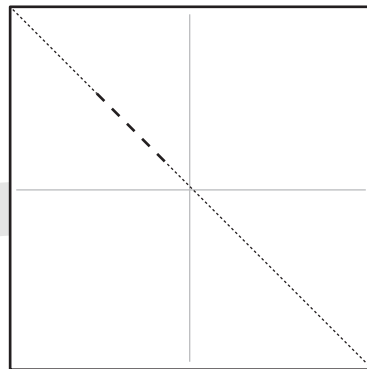
Design & Diagrams by Gerwin Sturm (2009/12/02)

I've designed this model for the CDO Convention Contest 2009.

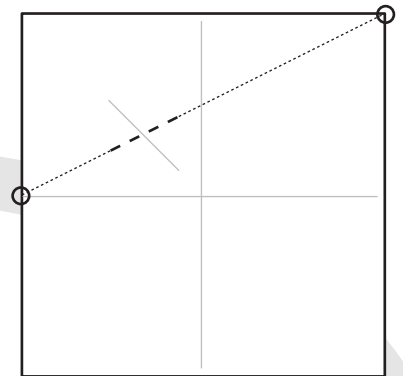
Foil paper, at least 15 x 15 cm in size is recommended and will give a tricycle about 5 cm in length and 3 cm in height.



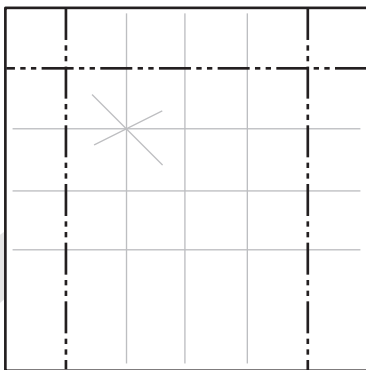
1. Mountain fold in half and unfold in both directions.



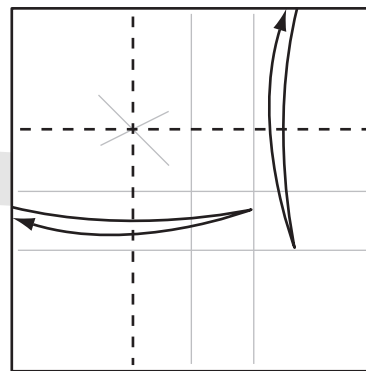
2. Pinch the diagonal only where shown.



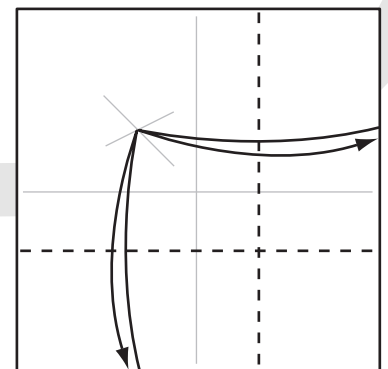
3. Connect the shown points but only pinch the intersection with the previous pinch mark.



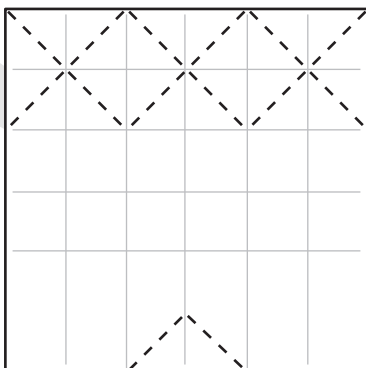
6. Precrease some mountain folds folding edge to crease.



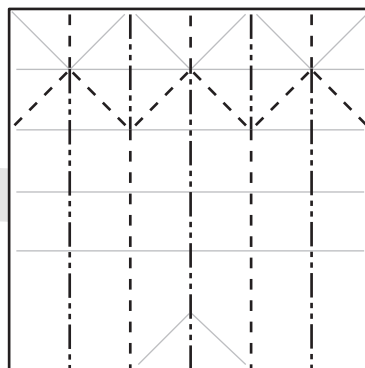
5. Valley fold the edges to the creases and unfold.



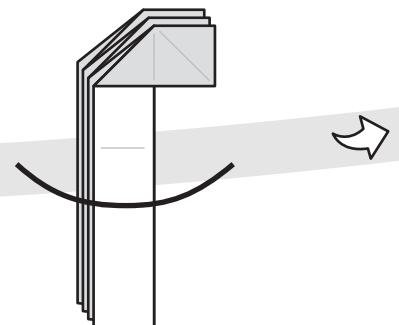
4. Valley fold the edges to the crease mark and unfold.



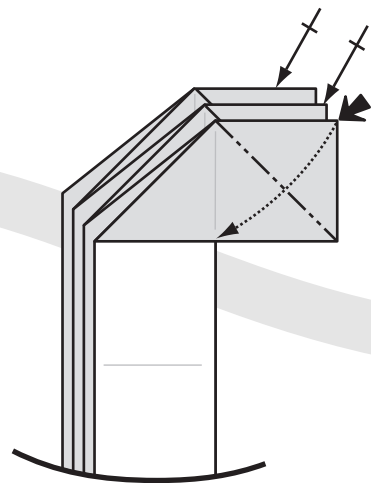
7. Precrease some diagonal valley folds where shown.



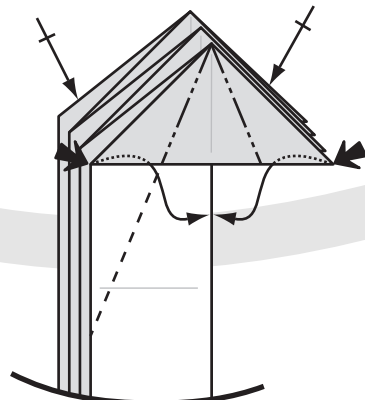
8. Collapse using the shown creases.



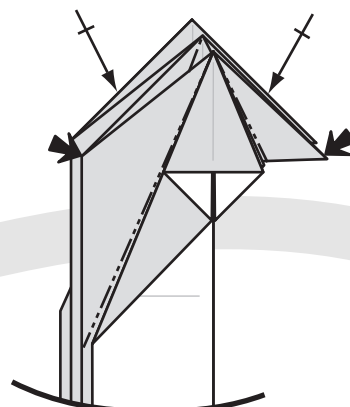
9. The bottom part will not be shown for the next few steps.



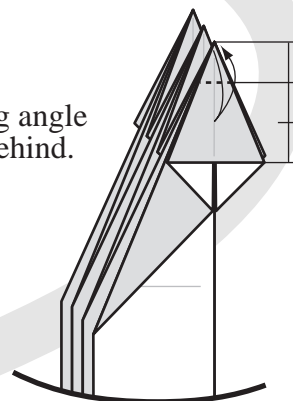
10. Reverse fold three times along existing creases.



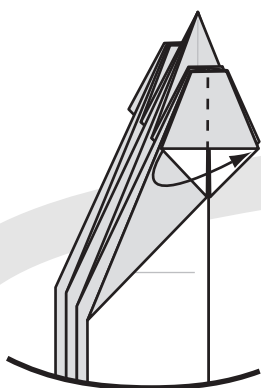
11. Reverse fold along angle bisectors. Repeat behind.



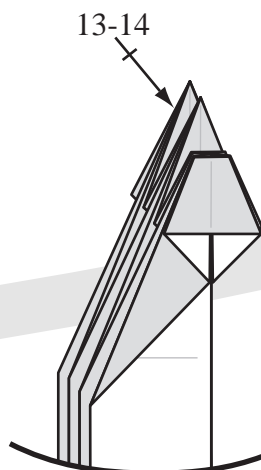
12. Open sinks along angle bisectors. Repeat behind.



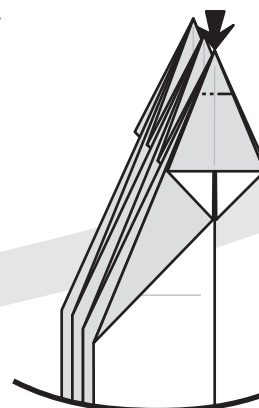
13. Fold and unfold about one third of the tip. This will determine the size of the wheel.



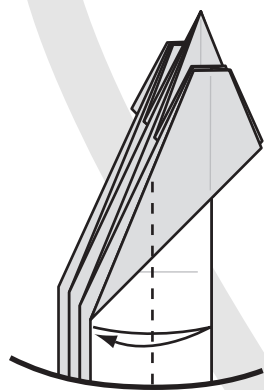
14. Open sink the tip along the precrease. (Octagonal sink)



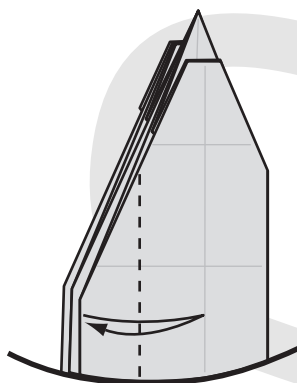
15. Repeat steps 13-14 behind.



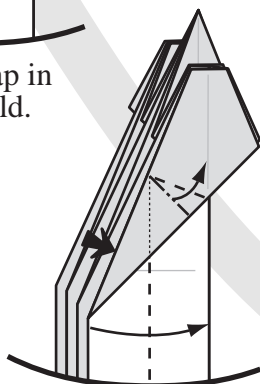
16. Fold one small flap over.



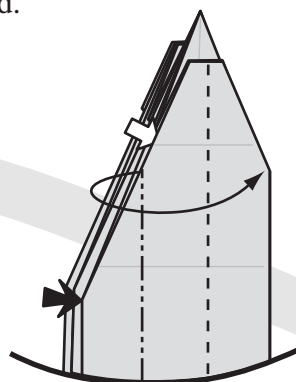
17. Fold the flap in half and unfold.



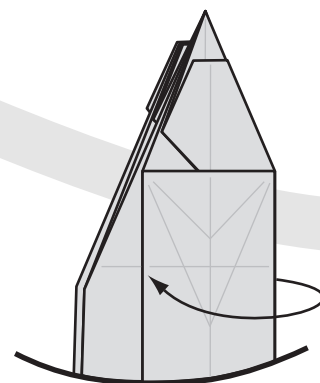
18. Fold the edge over, swiveling some paper at the top.



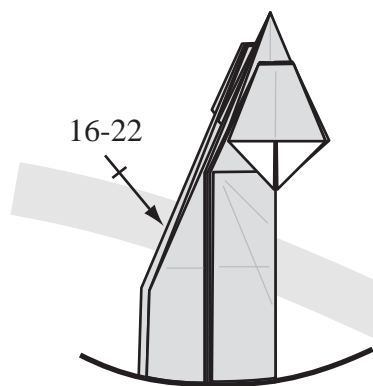
19. Fold one flap over.



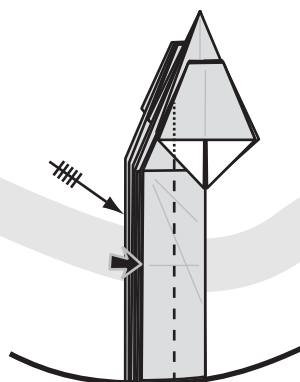
20. Spread squash the flap.



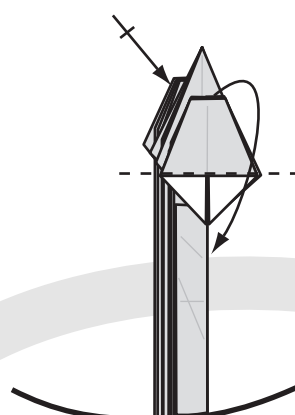
22. Fold back two big and one small flap to get the same layer distribution as in step 16.



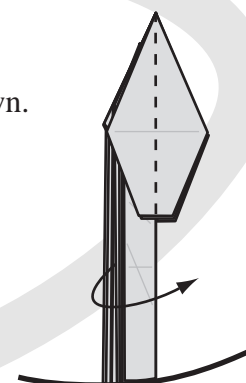
23. Repeat steps 16-22 behind.



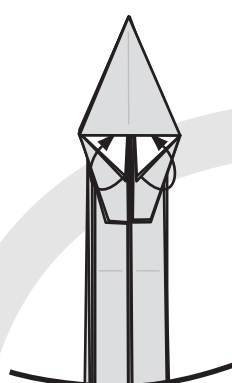
24. Closed sink the flap in half.
Repeat on the other five flaps.



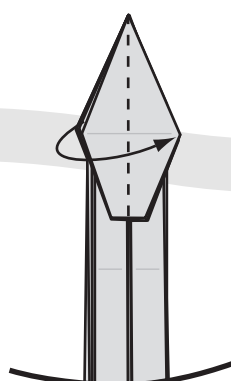
25. Fold the thick flap down.
Repeat behind.



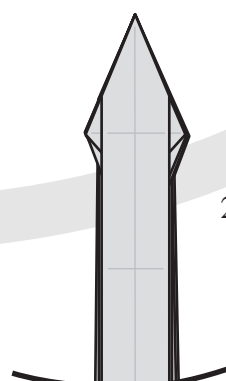
26. Open exactly in the middle
(6 flaps on each side)
and fold the flaps over.



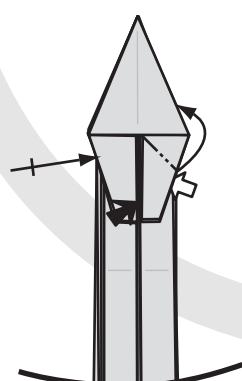
27. Turn over.



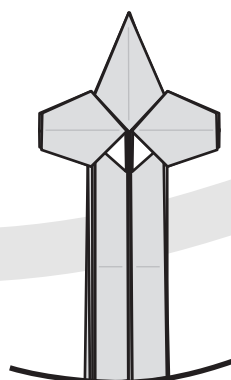
28. Open the top in the
middle and fold over,
distributing the flaps equally.



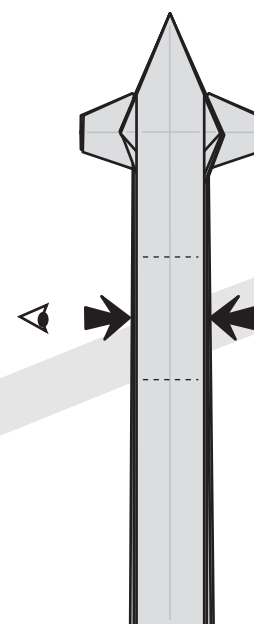
29. Hide all the white
triangles underneath
the layer above.



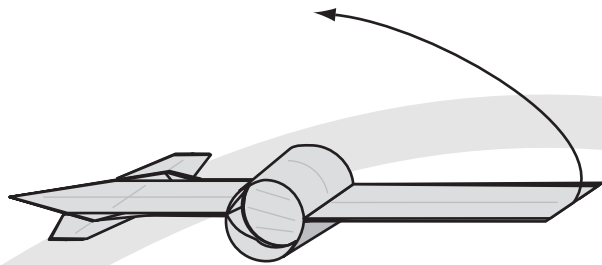
30. Squash the flap,
distributing the layers
equally. Repeat on the left.



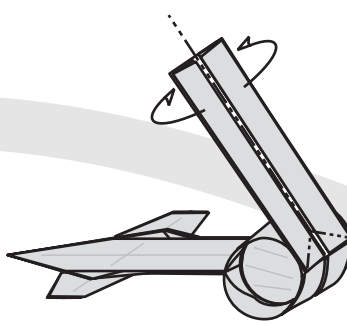
31. Turn over.
Back to full view
of the model.



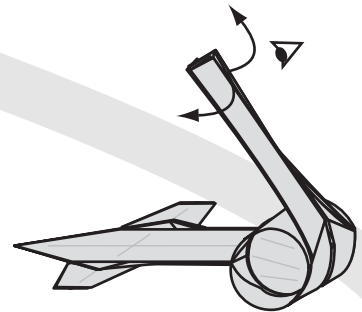
32. Open out the two central
pleats on each side to form
the wheel between two
existing crease marks.
Switching to side view to
show the result.



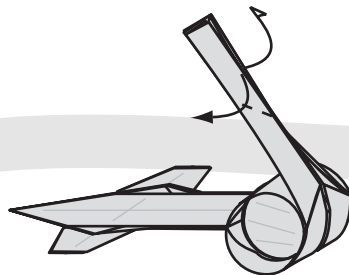
33. Fold the flap upwards over the wheel.



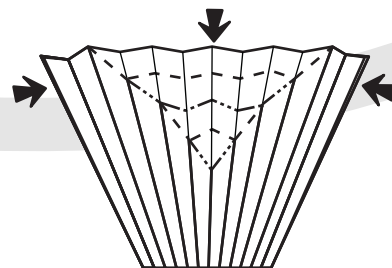
34. Fold the flap in half forming a rabbit ear.



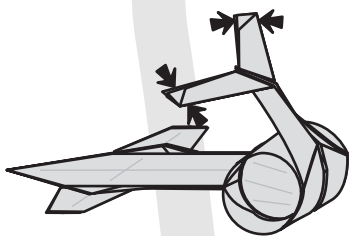
35. Open the pleats to locate a precrease from step 7.



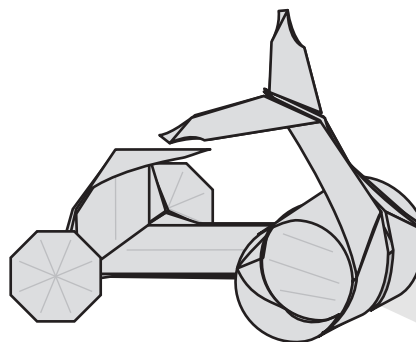
37. Fold the handle bars out to the sides and position them.



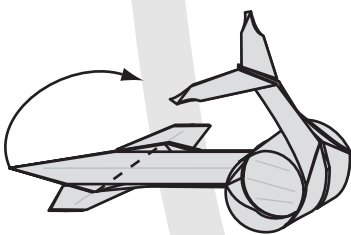
36. Form an Elias stretch along the precrease.
Back to full view of the model.



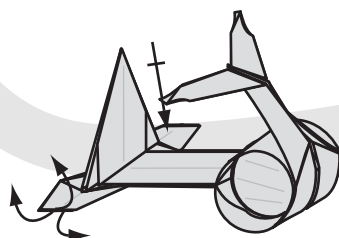
38. Pinch the ends of the handle bars to lock them together and form handles.



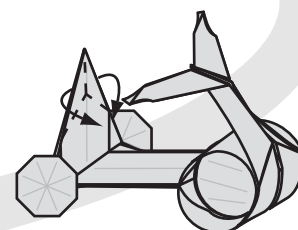
42. The finished Tricycle.



39. Lift the flap up at a right angle.



40. Open out the sink and shape the wheel.
Repeat on the other side.



41. Form the seat with a three-dimensional rabbit ear.