One Piece Flipper

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Designed on 10/6/97. Based on David Mitchell’s four piece pig base modular version. Special thanks to Marcia Mau for showing me Mitchell’s model, which she learned at BOS convention ‘97 in York.

1 Start from duo-color 3 by 6.5 (or longer) rectangle with either side up; divide short side into thirds.

2 Valley-fold.

3 Valley-fold.

4 Valley-fold.

5 Valley-fold.

6 Valley-fold and unfold THROUGH ALL LAYERS.

7 Unfold.

8 On the left side, valley-fold and unfold. Mountain-fold right side behind. Turn over.
Valley-fold and unfold in half.

Valley-fold and unfold.

Valley-fold on the right side.
Unfold on the left side.

Valley-fold and unfold in half.

Valley-fold and unfold.

Valley-fold and unfold.

Valley-fold and unfold in half.

Unfold. Turn over.

Valley-fold.

Collapse the left end.

In progress.

Collapse the right end as in steps 16-17.
Enlarged. Collapse the indicated part and swing to the right.

Petal-fold on the left side. Squash on the right.

Swing the right flap and tuck into the pocket.

Swing the lower flap front letting the rear flap come around too. Tuck the upper left corner into the back pocket. Turn over.

On the first layer only, Mountain-fold the points into the front pockets.

Tuck the flap into the pocket.

Swivel open to see the magic.

Can you open this one?

Keep going (sideways).

Diagrams redrawn by Jeremy Shafer, 1999