the shoebox:

.................................................................digital fabrication

design criteria:
1.............................................the box shall perform storage and display
2.....................................................the box shall be operable
3............any decoration shall arise from the box’s operation
prototypes:

I developed and reused a hinged joint.

Gaps are determined by surfaces of revolution.

At left is a redesigned version for production in plywood.
final box:

added snap fit

area reserved for test cuts

separate hinge detail:
increases cutsheet efficiency
eases assembly sequencing