B   B

ASTROLABE

VANES

Cut out
this area

RING &
SHACKLE

A

A

80 90 80
70   70
60   60
50   50
40   40
30   30
20   20
10   10
0   0

Cut out
this area

Cut out
this area

Cut out
this area

Cut out
this area

B   B   ALIDADE

Instructions:
1. Glue pattern onto cardstock or lightweight cardboard and cut out all pieces
2. Attach Ring and Shackle to Astrolabe with brad
3. Use a large needle to punch a hole in the center of each Vane
4. Attach Vanes to Alidade at dotted line and fold at tab
5. Attach Alidade to center of Astrolabe with brad