

What is claimed is:

1. A dual sided razor (100) having arms (20) for grasping a cartridge (40), said dual sided razor (100) comprising:
 - a handle (10) extending vertically with a first side (10a) and a second side (10b), said second side (10b) having a profile symmetric to said first side 10a;
 - a first pivot (21a) extending horizontally from a first arm (20a) and a second pivot (21b) extending horizontally from a second arm (20b), said cartridge (40) configured to be rotated on application of pressure by a user on said handle about said first pivot (21a) and said second pivot (21b) to switch between a first side (10a) of said cartridge (40) or a second side (10b) of said cartridge (40) to bias said cartridge (40) to either said first side (10a) or to said second side (10b); and
 - a plurality of blades (41a,41b,41c,41d) configured to be stacked inside said cartridge (40).
2. The dual sided razor (100) as claimed in claim 1, wherein said plurality of blades (41a,41b,41c,41d) are stacked in a vertical configuration.
3. The dual sided razor (100) as claimed in claim 1, wherein said dual sided razor (100) is a disposable razor with the cartridge (40) integral to the construction of said handle (10).
4. The dual sided razor (100) as claimed in claim 1, wherein said dual sided razor (100) has the cartridge (40) detachably attached to said handle (10).

5. The dual sided razor (100) as claimed in claim 1, wherein said blades (41a,41b,41c,41d) are pivotable about a blade pivot axis (44) to facilitate ease of shaving process.
6. The dual sided razor (100) as claimed in claim 1, wherein said blade pivot axis (44) is provided on a blade carrier (45).
7. The dual sided razor (100) as claimed in claim 1, wherein location of said blade pivot axis (44) is variable along the dimensions of said blades (41a,41b,41c,41d).
8. The dual sided razor (100) as claimed in claim 1, wherein said blades (41a,41b,41c,41d) have bent profile along the dimensions of the blades (41a,41b,41c,41d).
9. The dual sided razor (100) as claimed in claim 1, wherein end caps (50) are attached on the ends of said cartridge (40), each of said end caps (50) having a first groove (52a) and a second groove (52b).
10. The dual sided razor (100) as claimed in claim 3, wherein dimensions of each of said blades (41a,41b,41c,41d) are variable.
11. The dual sided razor (100) as claimed in claim 3, wherein a leaf spring (70) is provided beneath each said blades (41a,41b,41c,41d) to prevent clogging of shaved hair.
12. The dual sided razor (100) as claimed in claim 3, wherein said blades (41a,41b,41c,41d) are fixedly attached on said blade carrier (45).

13. The dual sided razor (100) as claimed in claim 12, wherein said blades (41a,41b,41c,41d) are fixedly attached towards the ends of said blade carrier (45)
14. The dual sided razor (100) as claimed in claim 1, wherein blade pockets (46) are provided inside said blade cartridge (40) to maintain optimum exposure of said blades (41a,41b,41c,41d) from said dual sided razor (100).
15. The dual sided razor (100) as claimed in claim 1, wherein retention bumps (12) are provided on said handle (10), said retention bumps (12) configured to be inserted into recess provided on swivel arms (20).
16. The dual sided razor (100) as claimed in claim 1, wherein arm prongs (22) having a toothed profile are attached to each of said first arm (20a) and said second arm (20b).
17. The dual sided razor (100) as claimed in claim 1, wherein a deflector (60) protrudes from a bottom portion of said cartridge (40).
18. The dual sided razor (100) as claimed in claim 2, wherein said deflector (60) has a smooth rounded profile.
19. The dual sided razor (100) as claimed in claim 1, wherein a barrier (30) is removably attached to the top portion of said handle (10).
20. The dual sided razor (100) as claimed in claim 4, wherein said deflector (60) has a smooth rounded profile.

21. The dual sided razor (100) as claimed in claim 4, wherein cushions (24a,24b) are provided on an operative end of each of said first arm (20a) and said second arm (20b).
22. The dual sided razor (100) as claimed in claim 4, wherein said cartridge (40) is configured with resiliently deformable elements from the group consisting of blade fingers (47), leaf spring (70).
23. The dual sided razor (100) as claimed in claim 4, wherein said cartridge (40) is configured to be constructed as a two-piece cartridge (40), said cartridge (40) configured to be detachably attached along the blade pivot axis (44).
24. The dual sided razor (100) as claimed in claim 4, wherein said blade fingers (47) are configured to extend from said cartridge (40).
25. The dual sided razor (100) as claimed in claim 1, wherein said blades (41a,41b,41c,41d) are made of a resiliently deformable material.
26. The dual sided razor (100) as claimed in claim 1, wherein constraining elements are configured on said cartridge (40) to prevent deflection of blades (41a,41b,41c,41d) away from the cartridge outer surfaces while allowing deflection towards the central region of said cartridge (40), said constraining elements selected from the group consisting of cartridge ribs (49), blade tabs (43) and metal channel (80).