WHAT IS CLAIMED IS:

1. A mounting for holding a grooved gemstone invisibly to a setting, the mounting having a first end with extensions to receive the gemstone and protrusions extending inwardly from said extensions to fit within respective mounting grooves of the grooved gemstone, the mounting further comprising a holding configuration for lockingly holding said mounting to said setting, wherein said holding configuration is configured to protrude at least partially from a base part of said setting, said holding configuration comprising a breakable portion that deforms said mounting prior to being broken away therefrom, to catch said mounting into said setting and to lever said protrusions into said groove.

2. The mounting of claim 1, wherein the holding configuration is connected to said extensions to press said protrusions inwardly onto said groove when said holding configuration is distorted against contouring of said setting.

3. The mounting of claim 1, or claim 2, wherein the mounting is configured to be deformed upon pulling inwardly about contouring on said setting, said deformation being such as to lever said extensions to push said protrusion inwardly into said groove.

4. The mounting of claim 1, 2 or 3, wherein said holding configuration is configured to protrude at least partially from a base part of said setting, said holding configuration being deformable about said setting by a deformation tool applied to a second end to catch said mounting into said setting and to lever said protrusions into said groove.

5. The mounting of claim 1, wherein said breakable portion is designed to be broken off using a shaped mounting tool.

6. The mounting of any one of the preceding claims, comprising a weakened portion for preferential deformation when being mounted.

7. The mounting of claim 6, configured to simultaneously close over said grooved gemstone and deform into said setting with a single application of force.

8. A mounting for holding a grooved gemstone invisibly to a setting, the mounting having a first end with extensions to receive the gemstone and protrusions extending inwardly from said extensions to fit within respective mounting grooves of the grooved gemstone, the mounting further comprising a holding configuration for lockingly holding said mounting to said setting, wherein the mounting is configured to be deformed upon pulling inwardly about contouring on said setting, said deformation being such as to lever said extensions to push said protrusion inwardly into said groove, the mounting further comprising a concave base portion being flattenable to provide said deformation.

9. The mounting of claim 8, wherein said flattening is provided by a breakable portion attached to said base portion.

10. The mounting of claim 9, wherein said flattening is provided by a tool inserted via a hole into said base portion.

11. The mounting of any one of the preceding claims, wherein said extensions are resilient.

12. A setting for gemstones comprising a plurality of locations for holding respective gemstone mountings, each location being shaped to close upper protrusions of said mounting into a groove of a grooved gemstone to hold said gemstone to said setting, the respective gemstone mountings each having a first end with extensions to receive the gemstone and protrusions extending inwardly from said extensions to fit within mounting grooves of the grooved gemstone, the respective gemstone mountings each further comprising a holding configuration at a second end opposite said first end for lockingly holding said mounting to said setting, wherein the holding configuration is connected to said extensions to press said protrusions via said extensions inwardly onto said grooves when said holding configuration is distorted by said setting, wherein said holding configuration is pressed against contouring of said setting, thereby to carry out closing of said upper protrusions.

13. The setting of claim 12, being contoured to push upper parts of respective mountings inwardly to lock onto said groove when said setting is pushed downwardly into said location.

14. The setting of claim 12 or claim 13, wherein respective shapes are open at a lower end to allow a deformable or breakable holding portion of said mounting to extend from said lower end for said deformation or breakage causing said deformation.

15. The setting of claim 14, provided with a tool to carry out said deformation or breakage causing said deformation.

16. The setting of any one of claims 12 to 15, comprising a soft metal.

17. The setting of any one of claims 12 to 16, further comprising a protruding rim extending around the setting.

18. A method of mounting a grooved gemstone to a setting comprising:

mounting said gemstone into the mounting of any one of claims 1 to 11, to locate grooves of said gemstone into protrusions of said mounting, and

attaching said mounting to said setting.

19. The method of claim 18, wherein said attaching is subsequent to said mounting.

20. A method of mounting a grooved gemstone to a setting comprising:

providing a setting having a mounting location,

providing the mounting of claim 1, the mounting having arms and protrusions at a distal end of said arms to fit into grooves of said grooved gemstone,

pressing said mounting into said mounting location, said pressing causing contouring on said mounting location to press said arms inwardly to lock said protrusions into said grooves, thereby mounting said gemstone.

21. The method of claim 20, carried out by a robot arm.

22. The mounting of claim 1 for invisible placing of ~~a~~ said grooved gemstone within a setting, the mounting being separate and distinct from both said setting and said gemstone and having both a setting attachment for attachment to said setting and a gemstone attachment for attaching a gemstone.

23. The method of claim 18 or claim 20, wherein said grooved gemstone is a gemstone having grooves and flaws in proximity to said grooves.

24. The method of claim 23, wherein said grooved gemstone is a gemstone cut with grooves dedicated for invisible setting, the gemstone having an inclusion causing structural weakening of said gemstone, said inclusion being in close proximity to one of said grooves, said inclusion weakening the gemstone in said close proximity of said grooves, making the gemstone more likely to chip as compared to a gemstone having an otherwise similar, but more centered, inclusion.

25. An item of jewelry comprising a setting, a plurality of mountings according to any one of claims 1 - 11, for mounting gemstones and a plurality of gemstones mounted on said plurality of mountings and invisibly mounted on said setting, whereby said setting and said plurality of mountings are made of different materials.

26. An item of jewelry comprising a setting and a plurality of mountings according to any one of claims 1 - 11, each mounting for holding a grooved gemstone invisibly to said setting, respective mountings having a first end with extensions to receive a respective gemstone and protrusions extending inwardly from said extensions to fit within corresponding mounting grooves of the grooved gemstone, each mounting further comprising a holding configuration for lockingly holding said respective mounting to said setting.

27. The mounting of any one of claims 1 - 11, wherein said holding configuration is configured to undergo distortion when fitting into said setting, said distortion for said lockingly holding said respective mounting to said setting.

28. The setting of any one of claims 12 to 17, wherein said location is shaped to deform said respective mounting to cause said closing.

29. The method of any one of claims 18 to 21, when used for making jewelry using false gemstones made of material weaker than a gemstone, the method comprising:

mounting said false gemstone to a setting by:

providing a setting having a mounting space,

providing a mounting, the mounting having said arms and said protrusions at a distal end of said arms to fit into grooves of said false gemstone,

pressing said mounting into said mounting space, said pressing causing contouring on said mounting space to press said arms inwardly to lock said protrusions into said grooves, thereby mounting said false gemstone via inward pressure on a body of said false gemstone and not relying on structural resilience of said false gemstone.

30. An item of jewelry comprising a setting, a plurality of mountings according to any of claims 1 to 11, and a plurality of gemstones mounted on said plurality of mountings and invisibly mounted on said setting, wherein said setting forms a non-planar surface comprising a curvature in at least one dimension.

31. An item of jewelry comprising a setting, a plurality of mountings according to any one of claims 1 to 11, and a plurality of gemstones mounted on said plurality of mountings and invisibly mounted on said setting, wherein said setting forms a plane having an area of at least twenty square centimeters.

32. A method of making the setting of any one of claims 12 to 17, or the mounting of any one of claims 1 - 11,

using a CAD package to design the setting or mounting; and

using a 3D printer to produce the setting or mounting according to the design.