In a first aspect of the present invention, ~~An~~ an article of furniture is provided. The article of furniture ~~may~~ includes a first structure having a first surface and a second surface opposite the first surface where the first and second surfaces extend from a first edge of the first structure to a second edge of the first structure that is opposite the first edge of the first structure. The article ~~may~~ also includes a first tilting mechanism attached to the first structure that is sized and configured such that the first structure is rotatable from a first position to a second position. The first edge of the first structure ~~may be~~ is at a first elevation when the first structure is in the first position and the first edge of the first structure ~~may be~~ is at a second elevation that is higher than the first elevation when the first structure is in the second position. A first leg ~~may~~ is also ~~be~~ included in the article. The first leg can be movable from a first position to a second position. A first leg rotating mechanism ~~may be~~ is attached between the first leg and the first tilting mechanism. The first leg rotating mechanism ~~may~~ rotates the first leg from the first position of the first leg to the second position of the first leg when the first structure is rotated from the first position of the first structure to the second position of the first structure, wherein the article of furniture is a table or a chair and the first structure is a tabletop or a seat.

In some embodiments, the article of furniture may be a table such as a work table, a dining table, an end table, a side table, or a moveable table that may have a tabletop that is useable for numerous different activities such as work related activities, eating, or other activities. In other embodiments, it is contemplated that the article of furniture may be a chair.

In some embodiments, the article of furniture may be configured as a table and the first structure may be a tabletop and the first surface may be a flat surface or is a substantially flat surface and the second surface may be a flat surface or a substantially flat surface. A substantially flat surface may be a surface that has a slight inclination or declination (e.g.

between 1-3 degree of declination or inclination) or a slight variance between intermediate portions of the surface.

The article of furniture ~~may~~ according to the first aspect also includes a second leg that is movable from a first position to a second position and a second tilting mechanism attached to the first structure. The second tilting mechanism ~~may be~~ is sized and configured such that the first structure is rotatable from the first position to the second position. ~~The~~A second leg rotating mechanism ~~may be~~is attached between the second leg and the second tilting mechanism. The second leg rotating mechanism ~~can~~ rotates the second leg from the first position of the second leg to the second position of the second leg when the first structure is rotated from the first position of the first structure to the second position of the first structure. The article ~~may~~ also includes at least one first foot connected to the first leg and at least one second foot connected to the second leg.

~~In some embodiments of the article of furniture, the~~ The first tilting mechanism ~~may~~ comprises a first carriage ~~positioned between the first leg and the first tilting mechanism. The first carriage can be~~ connected to the first structure such that the first structure is rotatable about a horizontal axis from the first position of the first structure to the second position of the first structure. The first leg rotating mechanism ~~may~~ comprises a first member, a first arm, and a first leg connecting body connecting the first leg rotating mechanism to the first leg. The first member ~~may have~~ has a first end connected to a portion of the first tilting mechanism and a second end ~~attached~~connected to the first arm. The first end of the first member ~~can be~~is connected to the first tilting mechanism such that the first member moves when the first structure is moved from the first position of the first structure to the second position of the first structure. The movement of the first member ~~can~~ cause the first arm to move to drive rotation of the first leg connecting body so that the first leg is rotated and the at least one first foot is rotated from a first position to a second position. The

second tilting mechanism ~~may~~ includes a second carriage ~~positioned between the second leg and the second tilting mechanism. The second carriage may be~~ connected to the first structure such that the first structure is rotatable about the horizontal axis from the first position of the first structure to the second position of the first structure. The second leg rotating mechanism ~~may~~ comprises a second member, a second arm, and a second leg connecting body connecting the second leg rotating mechanism to the second leg. The second member ~~may have~~ has a first end connected to a portion of the second tilting mechanism and a second end attached to the second arm. The first end of the second member ~~can be~~ is connected to the second tilting mechanism such that the second member moves when the first structure is moved from the first position of the first structure to the second position of the first structure. The movement of the second member ~~can~~ cause the second arm to move to drive rotation of the second leg connecting body so that the second leg is rotated and the at least one second foot is rotated from a first position to a second position.

The first member of the first leg rotating mechanism may have a number of configurations. For instance, the first member may be a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member. The second member of the second leg rotating mechanism may also have a number of different configurations. For example, the second member may be a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

~~In some embodiments, the~~The first tilting mechanism according to the first aspect ~~may be~~ is comprised of a first connector member and a first shaft connected to the first connector member. The first shaft ~~may also be~~ is connected to the first carriage such that the first connector member is rotatable about the first shaft. The second tilting mechanism ~~may be comprised~~ comprises of a second connector member and a

second shaft connected to the second connector member. The second shaft ~~can also be~~ is also connected to the second carriage such that the second connector member is rotatable about the second shaft. The first connector member ~~may be~~ is attached to the first surface of the first structure and the second connector member ~~may be~~ is attached to the first surface of the first structure. The first and second connector members ~~may~~ connect the first structure to the first and second tilting mechanisms to permit the first structure to be rotated from the first position of the first structure to the second position of the first structure. The first and second shafts ~~can~~ define an axis about which the first structure is rotatable. In some embodiments, the first member of the first leg rotating mechanism can extend from adjacent the first connector member to adjacent the first arm and the second member of the second leg rotating mechanism may extend from adjacent the second connector member to adjacent the second arm.

In a second aspect of the present invention, there is provided an article of furniture comprising: a first structure having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the first structure to a second edge of the first structure that is opposite the first edge of the first structure; a first tilting mechanism attached to the first structure, the first tilting mechanism sized and configured such that the first structure is rotatable from a first position to a second position, the first edge of the first structure being at a first elevation when the first structure is in the first position and the first edge of the first structure being at a second elevation that is higher than the first elevation when the first structure is in the second position; a first leg, the first leg being movable from a first position to a second position; a first leg rotating mechanism attached between the first leg and the first tilting mechanism, the first leg rotating mechanism rotating the first leg from the first position of the first leg to the second position of the first leg when the first structure is rotated from the first position of the first structure to the second position of the first structure; wherein the article of furniture is a table or a chair and the first structure is a tabletop or a seat; a second leg, the second leg being movable from a first position to a second position; a second tilting mechanism attached to the first structure, the second tilting mechanism sized and configured such that the first structure is rotatable from the first position to the second position, a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism rotating the second leg from the first position of the second leg to the second

position of the second leg when the first structure is rotated from the first position of the first structure to the second position of the first structure; at least one first foot connected to the first leg; at least one second foot connected to the second leg; the first tilting mechanism comprising a first carriage connected to the first structure such that the first structure is rotatable about a horizontal axis from the first position of the first structure to the second position of the first structure; and the first leg rotating mechanism comprising a first member, a first arm, and a first leg connecting body connecting the first leg rotating mechanism to the first leg, the first member having a first end connected to a portion of the first tilting mechanism and a second end connected to the first arm, the first end of the first member connected to the first tilting mechanism such that the first member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the first member causing the first arm to move to drive rotation of the first leg connecting body so that the first leg is rotated and the at least one first foot is rotated from a first position to a second position; wherein the at least one first foot is comprised of a plurality of casters and the at least one second foot is comprised of a plurality of casters.

A cross member may extend between the first leg and the second leg in some embodiments of the article of furniture. The first arm may be positioned within a first end of the cross member and the second arm may be positioned within a second end of the cross member that is opposite the first end of the cross member. The first carriage can be attached to the cross member such that the first arm is below the first carriage and the second carriage may be attached to the cross member such that the second arm is below the second carriage.

In some embodiments of the article of furniture, the first leg rotating mechanism can also be comprised of a first pin attached to a distal end of the first arm and a first element extending from the first pin to the second end of the first member and the second leg rotating mechanism is also comprised of a second pin attached to a distal end of the second arm and a second element extending from the second pin to the second end of the second member. For example, the first pin can be rotatably connected to the distal end of the first arm and the second pin may be

the first position of the second rear foot. The first front foot may be a caster, the second front foot may be a caster, the third front foot may be a caster and the fourth front foot may be a caster. Alternatively, the first, second, third and fourth feet may each be a non-moving stud or ground contacting structure that is not rollable along a floor.

~~An~~In a third aspect of the present invention, an article of furniture is also provided that includes a tabletop of a first structure, the tabletop having a first surface and a second surface opposite the first surface~~,~~. The first and second surfaces extend from a first edge of the tabletop to a second edge of the tabletop that is opposite the first edge of the tabletop. A first tilting mechanism is attached to the tabletop. The first tilting mechanism is sized and configured such that the first tabletop is rotatable from a first position to a second position such that the first structure is moveable from a first position to a second position. The first edge of the tabletop is at a first elevation when the tabletop is in the first position and the second edge of the tabletop is at a second elevation when the tabletop is in the second position. The second elevation is higher than the first elevation. A first leg ~~can be~~ is attached to the first tilting mechanism via a first leg rotating mechanism attached between the first leg and the first tilting mechanism. The first leg rotating mechanism ~~can be~~ is attached between the first leg and the first tilting mechanism such that the first leg is moveable from a first position to a second position when the tabletop is moved from the first position of the tabletop to the second position of the tabletop. A second leg is movable from a first position to a second position. A second tilting mechanism is attached to the tabletop. The second tilting mechanism is sized and configured such that the tabletop is rotatable from the first position to the second position. A second leg rotating mechanism is attached between the second leg and the second tilting mechanism. The second leg rotating mechanism is configured to rotate the second leg from the first position of the second leg to the second position of the second leg when the tabletop is rotated from the first position of the first structure to the second position of the first structure.

The first tilting mechanism ~~can~~ includes a first carriage positioned between the first leg and the ~~first tilting mechanism~~ tabletop, a first connector member attached to the first surface of the tabletop and rotatably connected to the first carriage, and a first shaft attached to the first connector member. The second tilting mechanism ~~can~~ includes a second carriage positioned between the second leg and the ~~second tilting mechanism~~ tabletop, a second connector member attached to the first surface of the tabletop and rotatably connected to the second carriage, and a second shaft attached to the second connector member. The first leg rotating mechanism ~~can~~ includes a first member having a first end connected to the first shaft and a second end opposite the first end of the first member, a first arm, a first pin rotatably attached to a distal end of the first arm, a first element extending from the first pin to within the second end of the first member, ~~such that~~ the first element is moveably positionable within the second end of the first member, and a first leg connecting body connecting the first arm to the first leg, and a first axle extending through a portion of the first arm. The first arm ~~can be~~ is rotatable about the first axle such that movement of the distal end of the first arm causes rotation of the first arm about the first axle and causes movement of the first leg connecting body to rotate the first leg from the first position of the first leg to the second position of the first leg. The second leg rotating mechanism ~~can~~ includes a second member having a first end connected to the second shaft and a second end opposite the first end of the second member, a second arm, a second pin rotatably attached to a distal end of the second arm, a second element extending from the second pin to within the second end of the second member, ~~such that~~ the second element is moveably positionable within the second end of the second member, and a second leg connecting body connecting the second arm to the second leg, and a second axle extending through a portion of the second arm. The second arm ~~can be~~ is rotatable about the second axle such that movement of the distal end of the second arm causes

rotation of the second arm about the second axle and causes rotation of the second leg connecting body to rotate the second leg from the first position of the second leg to the second position of the second leg. The first and second shafts ~~can~~ define an axis about which the tabletop is rotatable when the tabletop moves from the first position to the second position. The first end of the first member of the first leg rotation mechanism ~~can~~ rotates during movement of the tabletop from the first position of the tabletop to the second position of the tabletop, ~~such that~~ rotation of the first end of the first member causes the first element to move within the second end of the first member and causes the first pin to rotate relating to the distal end of the first arm and also causes the first pin to move to drive rotation of the first arm about the first axle such that the first leg connecting body moves to rotate the first leg from the first position of the first leg to the second position of the first leg. The first end of the second member of the second leg rotation mechanism ~~can~~ rotates during movement of the tabletop from the first position of the tabletop to the second position of the tabletop. Rotation of the first end of the second member ~~can~~ cause the second element to move within the second end of the second member and cause the second pin to rotate relating to the distal end of the second arm and also cause the second pin to move to drive rotation of the second arm about the second axle such that the second leg connecting body moves to rotate the second leg from the first position of the second leg to the second position of the second leg.

A cross member may extend between the first leg and the second leg. The first arm can be positioned within a first end of the cross member and the second arm can be positioned within a second end of the cross member that is opposite the first end of the cross member. The first carriage can be attached to the cross member such that the first arm is below the first carriage

What is claimed is:

1. An article of furniture comprising:

a first structure having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the first structure to a second edge of the first structure that is opposite the first edge of the first structure;

a first tilting mechanism attached to the first structure, the first tilting mechanism sized and configured such that the first structure is rotatable from a first position to a second position, the first edge of the first structure being at a first elevation when the first structure is in the first position and the first edge of the first structure being at a second elevation that is higher than the first elevation when the first structure is in the second position;

a first leg, the first leg being movable from a first position to a second position;

a first leg rotating mechanism attached between the first leg and the first tilting mechanism, the first leg rotating mechanism rotating the first leg from the first position of the first leg to the second position of the first leg when the first structure is rotated from the first position of the first structure to the second position of the first structure.

2. The article of furniture wherein the article of furniture is a table or a chair, the first structure is a tabletop or a seat.

3. The article of furniture in claim 2 further comprising:

a second leg, the second leg being movable from a first position to a second position;

a second tilting mechanism attached to the first structure, the second tilting mechanism sized and configured such that the first structure is rotatable from the first position to the second position,

a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism rotating the second leg from the first position of the second leg to the second position of the second leg when the first structure is rotated from the first position of the first structure to the second position of the first structure.

4. The article of furniture of claim 3 further comprising:

at least one first foot connected to the first leg; and

at least one second foot connected to the second leg.

5. The article of furniture of claim 4 wherein:

the first tilting mechanism comprising a first carriage positioned between the first leg and the first tilting mechanism, the first carriage connected to the first structure such that the first structure is rotatable about a horizontal axis from the first position of the first structure to the second position of the first structure; and

the first leg rotating mechanism comprising a first member, a first arm, and a first leg connecting body connecting the first leg rotating mechanism to the first leg, the first member having a first end connected to a portion of the first tilting mechanism and a second end connected to the first arm, the first end of the first member connected to the first tilting mechanism such that the first member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the

first member causing the first arm to move to drive rotation of the first leg connecting body so that the first leg is rotated and the at least one first foot is rotated from a first position to a second position.

6. The article of furniture of claim 5 wherein:

the second tilting mechanism comprising a second carriage positioned between the second leg and the second tilting mechanism, the second carriage connected to the first structure such that the first structure is rotatable about the horizontal axis from the first position of the first structure to the second position of the first structure; and

the second leg rotating mechanism comprising a second member, a second arm, and a second leg connecting body connecting the second leg rotating mechanism to the second leg, the second member having a first end connected to a portion of the second tilting mechanism and a second end connected to the second arm, the first end of the second member connected to the second tilting mechanism such that the second member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the second member causing the second arm to move to drive rotation of the second leg connecting body so that the second leg is rotated and the at least one second foot is rotated from a first position to a second position.

7. The article of furniture of claim 6 further comprising:

wherein the first tilting mechanism is comprised of a first connector member and a first shaft connected to the first connector member, the first shaft also connected to the first carriage such that the first connector member is rotatable about the first shaft;

wherein the second tilting mechanism is comprised of a second connector member and a second shaft connected to the second connector member, the second shaft also connected to the second carriage such that the second connector member is rotatable about the second shaft;

the first connector member attached to the first surface of the first structure and the second connector member attached to the first surface of the first structure;

wherein the first and second connector members connect the first structure to the first and second tilting mechanisms to permit the first structure to be rotated from the first position of the first structure to the second position of the first structure, the first and second shafts defining an axis about which the first structure is rotatable.

8. The article of furniture of claim 7 wherein the first member of the first leg rotating mechanism extends from adjacent the first connector member to adjacent the first arm and wherein the second member of the second leg rotating mechanism extends from adjacent the second connector member to adjacent the second arm.

9. The article of furniture of claim 7 further comprising a cross member extending between the first leg and the second leg, the first arm being positioned within a first end of the cross member and the second arm being positioned within a second end of the cross member that is opposite the first end of the cross member, the first carriage attached to the cross member such that the first arm is below the first carriage and the second carriage attached to the cross member such that the second arm is below the second carriage.

10. The article of furniture of claim 9 wherein the first leg rotating mechanism is also comprised of a first pin attached to a distal end of the first arm, and a first element extending from the first pin to the second end of the first member; and

the second leg rotating mechanism is also comprised of a second pin attached to a distal end of the second arm and a second element extending from the second pin to the second end of the second member.

11. The article of furniture of claim 10 wherein the first pin is rotatably connected to the distal end of the first arm and wherein the second pin is rotatably connected to the distal end of the second arm.

12. The article of furniture of claim 11 wherein the first element is slideably connected to the second end of the first member and wherein the second element is slideably connected to the second end of the second member.

13. The article of furniture of claim 12 wherein the first leg rotating mechanism is also comprised of a first axle extending through a portion of the first arm, the first arm being rotatable about the first axle such that movement of the distal end of the first arm causes rotation of the first arm about the first axle and drives rotation of the first leg connecting body; and

the second leg rotating mechanism is also comprised of a second axle extending through a portion of the second arm, the second arm being rotatable about the second axle such that the movement of the distal end of the second arm causes rotation of the second arm about the second axle and drives rotation of the second leg connecting body.

14. The article of furniture of claim 13 wherein the at least one first foot is comprised of a first front foot and a first rear foot and the at least one second foot is comprised of a second rear foot and a second front foot; and

when the first front foot is in the second position of the first front foot and the second front foot is in the second position of the second front foot, the first and second front feet are farther apart as compared to when the first front foot is in the first position of the first front foot and the second front foot is in the first position of the second front foot; and

when the first rear foot is in the second position of the first rear foot and the second rear foot is in the second position of the second rear foot, the first and second rear feet are closer together as compared to when the first rear foot is in the first position of the first rear foot and the second rear foot is in the first position of the second rear foot.

15. The article of furniture of claim 14 wherein the first front foot is a caster, the second front foot is a caster, the third front foot is a caster and the fourth front foot is a caster.

16. The article of furniture of claim 5 wherein the at least one first foot is comprised of a plurality of casters and the at least one second foot is comprised of a plurality of casters.

17. The article of furniture of claim 5 wherein the first member of the first leg rotating mechanism is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

18. The article of furniture of claim 17 wherein the second member of the second leg rotating mechanism is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

19. A method of stacking tables comprising:

providing a plurality of tables, each of the tables being an article of furniture of any of claim 1;

moving the first structure of each of the tables from the first position to the second position so that the first leg is also moved from the first position of the first leg to the second position of the first leg;

nesting the tables adjacent to each other.

20. An article of furniture comprising:

a tabletop having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the tabletop to a second edge of the tabletop that is opposite the first edge of the tabletop;

a first tilting mechanism attached to the tabletop, the first tilting mechanism being sized and configured such that the first tabletop is rotatable from a first position to a second position, the first edge of the tabletop being at a first elevation when the tabletop is in the first position and the second edge of the tabletop being at a second elevation when the tabletop is in the second position, the second elevation being higher than the first elevation;

a first leg attached to the first tilting mechanism via a first leg rotating mechanism attached between the first leg and the first titling mechanism, the first leg rotating mechanism

being attached between the first leg and the first tilting mechanism such that the first leg is moveable from a first position to a second position when the tabletop is moved from the first position of the tabletop to the second position of the tabletop;

a second leg, the second leg being movable from a first position to a second position;

a second tilting mechanism attached to the tabletop, the second tilting mechanism sized and configured such that the tabletop is rotatable from the first position to the second position,

a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism being configured to rotate the second leg from the first position of the second leg to the second position of the second leg when the tabletop is rotated from the first position of the first structure to the second position of the first structure.

21. The article of furniture of claim 20, wherein:

the first tilting mechanism comprising

a first carriage positioned between the first leg and the first tilting mechanism,

a first connector member attached to the first surface of the tabletop and rotatably connected to the first carriage,

a first shaft attached to the first connector member, and

the second tilting mechanism comprising:

a second carriage positioned between the second leg and the second tilting mechanism,

a second connector member attached to the first surface of the tabletop and rotatably connected to the second carriage, and

a second shaft attached to the second connector member;

the first leg rotating mechanism comprising:

a first member having a first end connected to the first shaft and a second end opposite the first end of the first member,

a first arm,

a first pin rotatably attached to a distal end of the first arm,

a first element extending from the first pin to within the second end of the first member, the first element being moveably positionable within the second end of the first member,

a first leg connecting body connecting the first arm to the first leg,

a first axle extending through a portion of the first arm, the first arm being rotatable about the first axle such that movement of the distal end of the first arm causes rotation of the first arm about the first axle and causes movement of the first leg connecting body to rotate the first leg from the first position of the first leg to the second position of the first leg;

the second leg rotating mechanism comprising:

a second member having a first end connected to the second shaft and a second end opposite the first end of the second member,

a second arm,

a second pin rotatably attached to a distal end of the second arm,

a second element extending from the second pin to within the second end of the second member, the second element being moveably positionable within the second end of the second member,

a second leg connecting body connecting the second arm to the second leg,

a second axle extending through a portion of the second arm, the second arm being rotatable about the second axle such that movement of the distal end of the second arm causes rotation of the second arm about the second axle and causes rotation of the second leg connecting body to rotate the second leg from the first position of the second leg to the second position of the second leg;

the first and second shafts defining an axis about which the tabletop is rotatable when the tabletop moves from the first position to the second position;

the first end of the first member of the first leg rotation mechanism rotating during movement of the tabletop from the first position of the tabletop to the second position of the tabletop, rotation of the first end of the first member causing the first element to move within the second end of the first member and causing the first pin to rotate relating to the distal end of the first arm and also causing the first pin to move to drive rotation of the first arm about the first axle such that the first leg connecting body moves to rotate the first leg from the first position of the first leg to the second position of the first leg; and

the first end of the second member of the second leg rotation mechanism rotating during movement of the tabletop from the first position of the tabletop to the second position of the tabletop, rotation of the first end of the second member causing the second element to move within the second end of the second member and causing the second pin to rotate relating to the distal end of the second arm and also causing the second pin to move to drive rotation of the second arm about the second axle such that the second leg connecting body moves to rotate the second leg from the first position of the second leg to the second position of the second leg.

22. The article of furniture of claim 21 further comprising a cross member extending between the first leg and the second leg, the first arm being positioned within a first end of the cross member and the second arm being positioned within a second end of the cross member that is opposite the first end of the cross member, the first carriage attached to the cross member such that the first arm is below the first carriage and the second carriage attached to the cross member such that the second arm is below the second carriage.

23. The article of furniture of claim 20, comprising a first front foot and a first rear foot connected to the first leg and a second front foot and a second rear foot connected to the second leg.

24. The article of furniture of claim 23, wherein the first front foot and the second front foot are moved away from each other when the first and second legs are moved from their first positions to their second positions.

25. The article of furniture of claim 24, wherein the first rear foot and the second rear foot are moved to be closer to each other when the first and second legs are moved from their first positions to their second positions.

26. The article of furniture of claim 22, wherein the first member of the first leg rotating mechanism also has an intermediate member extending between the first and second ends of the first member of the first leg rotating mechanism such that the first member is a generally L-

shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member; and

wherein the second member of the second leg rotating mechanism also has an intermediate member extending between the first and second ends of the second member of the second leg rotating mechanism such that the second member is a is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

27. The article of furniture of claim 26, wherein the first element is a rod, a linearly extending member, a pin or a shaft and the second element is a rod, a linearly extending member, a pin or a shaft.

28. The article of furniture of claim 26, wherein the first shaft is a linearly extending member and the second shaft is a linearly extending member.

What is claimed is:

1. An article of furniture comprising:

a first structure having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the first structure to a second edge of the first structure that is opposite the first edge of the first structure;

a first tilting mechanism attached to the first structure, the first tilting mechanism sized and configured such that the first structure is rotatable from a first position to a second position, the first edge of the first structure being at a first elevation when the first structure is in the first position and the first edge of the first structure being at a second elevation that is higher than the first elevation when the first structure is in the second position;

a first leg, the first leg being movable from a first position to a second position;

a first leg rotating mechanism attached between the first leg and the first tilting mechanism, the first leg rotating mechanism rotating the first leg from the first position of the first leg to the second position of the first leg when the first structure is rotated from the first position of the first structure to the second position of the first structure;

wherein the article of furniture is a table or a chair and the first structure is a tabletop or a seat;

a second leg, the second leg being movable from a first position to a second position;

a second tilting mechanism attached to the first structure, the second tilting mechanism sized and configured such that the first structure is rotatable from the first position to the second position,

a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism rotating the second leg from the first position of the second leg to the second position of the second leg when the first structure is rotated from the first position of the first structure to the second position of the first structure;

at least one first foot connected to the first leg;

at least one second foot connected to the second leg;

the first tilting mechanism comprising a first carriage connected to the first structure such that the first structure is rotatable about a horizontal axis from the first position of the first structure to the second position of the first structure;

the first leg rotating mechanism comprising a first member, a first arm, and a first leg connecting body connecting the first leg rotating mechanism to the first leg, the first member having a first end connected to a portion of the first tilting mechanism and a second end connected to the first arm, the first end of the first member connected to the first tilting mechanism such that the first member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the first member causing the first arm to move to drive rotation of the first leg connecting body so that the first leg is rotated and the at least one first foot is rotated from a first position to a second position;

the second tilting mechanism comprising a second carriage connected to the first structure such that the first structure is rotatable about the horizontal axis from the first position of the first structure to the second position of the first structure; and

the second leg rotating mechanism comprising a second member, a second arm, and a second leg connecting body connecting the second leg rotating mechanism to the second leg, the

second member having a first end connected to a portion of the second tilting mechanism and a second end connected to the second arm, the first end of the second member connected to the second tilting mechanism such that the second member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the second member causing the second arm to move to drive rotation of the second leg connecting body so that the second leg is rotated and the at least one second foot is rotated from a first position to a second position;

wherein the first tilting mechanism is comprised of a first connector member and a first shaft connected to the first connector member, the first shaft also connected to the first carriage such that the first connector member is rotatable about the first shaft;

wherein the second tilting mechanism is comprised of a second connector member and a second shaft connected to the second connector member, the second shaft also connected to the second carriage such that the second connector member is rotatable about the second shaft;

the first connector member attached to the first surface of the first structure and the second connector member attached to the first surface of the first structure;

wherein the first and second connector members connect the first structure to the first and second tilting mechanisms to permit the first structure to be rotated from the first position of the first structure to the second position of the first structure, the first and second shafts defining an axis about which the first structure is rotatable.

2. The article of furniture of claim 1 wherein the first member of the first leg rotating mechanism extends from adjacent the first connector member to adjacent the first arm and

wherein the second member of the second leg rotating mechanism extends from adjacent the second connector member to adjacent the second arm.

3. The article of furniture of claim 1 further comprising a cross member extending between the first leg and the second leg, the first arm being positioned within a first end of the cross member and the second arm being positioned within a second end of the cross member that is opposite the first end of the cross member, the first carriage attached to the cross member such that the first arm is below the first carriage and the second carriage attached to the cross member such that the second arm is below the second carriage.

4. The article of furniture of claim 3 wherein the first leg rotating mechanism is also comprised of a first pin attached to a distal end of the first arm, and a first element extending from the first pin to the second end of the first member; and

the second leg rotating mechanism is also comprised of a second pin attached to a distal end of the second arm and a second element extending from the second pin to the second end of the second member.

5. The article of furniture of claim 4 wherein the first pin is rotatably connected to the distal end of the first arm and wherein the second pin is rotatably connected to the distal end of the second arm.

6. The article of furniture of claim 5 wherein the first element is slideably connected to the second end of the first member and wherein the second element is slideably connected to the second end of the second member.

7. The article of furniture of claim 6 wherein the first leg rotating mechanism is also comprised of a first axle extending through a portion of the first arm, the first arm being rotatable about the first axle such that movement of the distal end of the first arm causes rotation of the first arm about the first axle and drives rotation of the first leg connecting body; and

the second leg rotating mechanism is also comprised of a second axle extending through a portion of the second arm, the second arm being rotatable about the second axle such that the movement of the distal end of the second arm causes rotation of the second arm about the second axle and drives rotation of the second leg connecting body.

8. The article of furniture of claim 7 wherein the at least one first foot is comprised of a first front foot and a first rear foot and the at least one second foot is comprised of a second rear foot and a second front foot; and

when the first front foot is in the second position of the first front foot and the second front foot is in the second position of the second front foot, the first and second front feet are farther apart as compared to when the first front foot is in the first position of the first front foot and the second front foot is in the first position of the second front foot; and

when the first rear foot is in the second position of the first rear foot and the second rear foot is in the second position of the second rear foot, the first and second rear feet are closer

together as compared to when the first rear foot is in the first position of the first rear foot and the second rear foot is in the first position of the second rear foot.

9. The article of furniture of claim 8 wherein the first front foot is a caster, the second front foot is a caster, the third front foot is a caster and the fourth front foot is a caster.

10. The article of furniture of claim 1 wherein the first member of the first leg rotating mechanism is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

11. The article of furniture of claim 10 wherein the second member of the second leg rotating mechanism is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

12. An article of furniture comprising:

a first structure having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the first structure to a second edge of the first structure that is opposite the first edge of the first structure;

a first tilting mechanism attached to the first structure, the first tilting mechanism sized and configured such that the first structure is rotatable from a first position to a second position, the first edge of the first structure being at a first elevation when the first structure is in the first position and the first edge of the first structure being at a second elevation that is higher than the first elevation when the first structure is in the second position;

a first leg, the first leg being movable from a first position to a second position;

a first leg rotating mechanism attached between the first leg and the first tilting mechanism, the first leg rotating mechanism rotating the first leg from the first position of the first leg to the second position of the first leg when the first structure is rotated from the first position of the first structure to the second position of the first structure;

wherein the article of furniture is a table or a chair and the first structure is a tabletop or a seat;

a second leg, the second leg being movable from a first position to a second position;

a second tilting mechanism attached to the first structure, the second tilting mechanism sized and configured such that the first structure is rotatable from the first position to the second position,

a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism rotating the second leg from the first position of the second leg to the second position of the second leg when the first structure is rotated from the first position of the first structure to the second position of the first structure;

at least one first foot connected to the first leg;

at least one second foot connected to the second leg;

the first tilting mechanism comprising a first carriage connected to the first structure such that the first structure is rotatable about a horizontal axis from the first position of the first structure to the second position of the first structure; and

the first leg rotating mechanism comprising a first member, a first arm, and a first leg connecting body connecting the first leg rotating mechanism to the first leg, the first member having a first end connected to a portion of the first tilting mechanism and a second end

connected to the first arm, the first end of the first member connected to the first tilting mechanism such that the first member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the first member causing the first arm to move to drive rotation of the first leg connecting body so that the first leg is rotated and the at least one first foot is rotated from a first position to a second position;

wherein the at least one first foot is comprised of a plurality of casters and the at least one second foot is comprised of a plurality of casters.

13. The article of furniture of claim 12 wherein:

the second tilting mechanism comprising a second carriage connected to the first structure such that the first structure is rotatable about the horizontal axis from the first position of the first structure to the second position of the first structure; and

the second leg rotating mechanism comprising a second member, a second arm, and a second leg connecting body connecting the second leg rotating mechanism to the second leg, the second member having a first end connected to a portion of the second tilting mechanism and a second end connected to the second arm, the first end of the second member connected to the second tilting mechanism such that the second member moves when the first structure is moved from the first position of the first structure to the second position of the first structure, the movement of the second member causing the second arm to move to drive rotation of the second leg connecting body so that the second leg is rotated and the at least one second foot is rotated from a first position to a second position.

14. An article of furniture comprising:

a tabletop of a first structure, the tabletop having a first surface and a second surface opposite the first surface, the first and second surfaces extending from a first edge of the tabletop to a second edge of the tabletop that is opposite the first edge of the tabletop;

a first tilting mechanism attached to the tabletop, the first tilting mechanism being sized and configured such that the first tabletop is rotatable from a first position to a second position such that the first structure is moveable from a first position to a second position, the first edge of the tabletop being at a first elevation when the tabletop is in the first position and the second edge of the tabletop being at a second elevation when the tabletop is in the second position, the second elevation being higher than the first elevation;

a first leg attached to the first tilting mechanism via a first leg rotating mechanism attached between the first leg and the first tilting mechanism, the first leg rotating mechanism being attached between the first leg and the first tilting mechanism such that the first leg is moveable from a first position to a second position when the tabletop is moved from the first position of the tabletop to the second position of the tabletop;

a second leg, the second leg being movable from a first position to a second position;

a second tilting mechanism attached to the tabletop, the second tilting mechanism sized and configured such that the tabletop is rotatable from the first position of the tabletop to the second position of the tabletop,

a second leg rotating mechanism attached between the second leg and the second tilting mechanism, the second leg rotating mechanism being configured to rotate the second leg from the first position of the second leg to the second position of the second leg when the tabletop is rotated from the first position of the first structure to the second position of the first structure;

the first tilting mechanism comprising:

a first carriage positioned between the first leg and the tabletop,

a first connector member attached to the first surface of the tabletop and rotatably connected to the first carriage,

a first shaft attached to the first connector member, and

the second tilting mechanism comprising:

a second carriage positioned between the second leg and the tabletop,

a second connector member attached to the first surface of the tabletop and rotatably connected to the second carriage, and

a second shaft attached to the second connector member;

the first leg rotating mechanism comprising:

a first member having a first end connected to the first shaft and a second end opposite the first end of the first member,

a first arm,

a first pin rotatably attached to a distal end of the first arm,

a first element extending from the first pin to within the second end of the first member, the first element being moveably positionable within the second end of the first member,

a first leg connecting body connecting the first arm to the first leg,

a first axle extending through a portion of the first arm, the first arm being rotatable about the first axle such that movement of the distal end of the first arm causes rotation of the first arm about the first axle and causes movement of the first leg

connecting body to rotate the first leg from the first position of the first leg to the second position of the first leg;

the second leg rotating mechanism comprising:

a second member having a first end connected to the second shaft and a second end opposite the first end of the second member,

a second arm,

a second pin rotatably attached to a distal end of the second arm,

a second element extending from the second pin to within the second end of the second member, the second element being moveably positionable within the second end of the second member,

a second leg connecting body connecting the second arm to the second leg,

a second axle extending through a portion of the second arm, the second arm being rotatable about the second axle such that movement of the distal end of the second arm causes rotation of the second arm about the second axle and causes rotation of the second leg connecting body to rotate the second leg from the first position of the second leg to the second position of the second leg;

the first and second shafts defining an axis about which the tabletop is rotatable when the tabletop moves from the first position to the second position;

the first end of the first member of the first leg rotation mechanism rotating during movement of the tabletop from the first position of the tabletop to the second position of the tabletop, rotation of the first end of the first member causing the first element to move within the second end of the first member and causing the first pin to rotate relating to the distal end of the first arm and also causing the first pin to move to drive rotation of the first arm about the first

axle such that the first leg connecting body moves to rotate the first leg from the first position of the first leg to the second position of the first leg; and

the first end of the second member of the second leg rotation mechanism rotating during movement of the tabletop from the first position of the tabletop to the second position of the tabletop, rotation of the first end of the second member causing the second element to move within the second end of the second member and causing the second pin to rotate relating to the distal end of the second arm and also causing the second pin to move to drive rotation of the second arm about the second axle such that the second leg connecting body moves to rotate the second leg from the first position of the second leg to the second position of the second leg.

15. The article of furniture of claim 14 further comprising a cross member extending between the first leg and the second leg, the first arm being positioned within a first end of the cross member and the second arm being positioned within a second end of the cross member that is opposite the first end of the cross member, the first carriage attached to the cross member such that the first arm is below the first carriage and the second carriage attached to the cross member such that the second arm is below the second carriage.

16. The article of furniture of claim 15, wherein the first member of the first leg rotating mechanism also has an intermediate member extending between the first and second ends of the first member of the first leg rotating mechanism such that the first member is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member; and

wherein the second member of the second leg rotating mechanism also has an intermediate member extending between the first and second ends of the second member of the second leg rotating mechanism such that the second member is a is a generally L-shaped member, a generally C-shaped member, a generally U-shaped member or a generally V-shaped member.

17. The article of furniture of claim 16, wherein the first element is a rod, a linearly extending member, a pin or a shaft and the second element is a rod, a linearly extending member, a pin or a shaft.

18. The article of furniture of claim 16, wherein the first shaft is a linearly extending member and the second shaft is a linearly extending member.

19. The article of furniture of claim 14, comprising a first front foot and a first rear foot connected to the first leg and a second front foot and a second rear foot connected to the second leg.

20. The article of furniture of claim 19, wherein the first front foot and the second front foot are moved away from each other when the first and second legs are moved from their first positions to their second positions.

21. The article of furniture of claim 20, wherein the first rear foot and the second rear foot are moved to be closer to each other when the first and second legs are moved from their first positions to their second positions.

22. The article of furniture of claim 19, wherein the first front foot is comprised of a caster, the first rear foot is comprised of a caster, the second front foot is comprised of a caster, and the second rear foot is comprised of a caster.