What is claimed is:

1. A track assembly for a track vehicle, the track assembly comprising: a wheel having a rim and a plurality of engaging elements extending radially outwardly from the rim, and the wheel defining a plurality of grooves therebetween; and an endless track engageable with the wheel, the endless track having a reinforced elastomeric construction, and the endless track comprising: a body having a longitudinal plane, and including: an outer face for contacting a ground, an inner face opposite to the outer face, a first lateral face extending between the inner and outer faces, and a second lateral face opposite to the first lateral face, and extending between the inner and outer faces, and a plurality of lugs extending outwardly from the first lateral side, the plurality of lugs being longitudinally spaced from one another along the first lateral face, wherein, each lug of the plurality of lugs is sized and shaped to be received in a respective groove of the plurality of grooves such that, a given one lug of the plurality of lugs extends across the rim of the wheel to be received in the respective groove.

2. The track assembly of claim 1, wherein the endless track includes a plurality of guide lugs extending from the inner surface.

3. The track assembly of claim 2, wherein the plurality of guide lugs is generally positioned parallel to a direction of the longitudinal plane of the body.

4. The track assembly of claim 2 or 3, wherein the endless track further comprises a plurality of reinforcing elements, each one of the plurality of reinforcing elements extending across a width of the endless track, and having a central reinforcing portion reinforcing a respective one of the plurality of guide lugs.

5. The track assembly of any one of claims 1 to 3, wherein the endless track further comprises a plurality of reinforcing elements, each one of the plurality of reinforcing elements extending across a width of the endless track.

6. The track assembly of claim 5, wherein each one of the plurality of reinforcing elements extends from a first laterally outermost segment of the endless track to a second laterally outermost segment of the endless track.

7. The track assembly of claim 5 or claim 6, wherein each one of the plurality of reinforcing elements is generally flat.

8. The track assembly of any one of claims 5 to 7, wherein each one of the plurality of reinforcing elements has an engaging portion for reinforcing a respective one of the plurality of lugs, and for engaging with the wheel.

9. The track assembly of any one of claims 5 to 8, wherein each one of the plurality of reinforcing elements has a central reinforcing portion.

10. The track assembly of any one of claims 1 to 9, wherein the reinforcing element has an interlocking feature for interlocking with the body.

11. The track assembly of any one of claims 1 to 10, wherein the endless track further comprises at least one reinforcing member extending longitudinally along the length of the endless track.

12. The track assembly of claim 11, wherein the at least one reinforcing member is at least one layer of reinforcing members.

13. The track assembly of claim 12, wherein the at least one layer of reinforcing members is a layer of reinforcing cords.

14. The track assembly of any one of claims 1 to 13, wherein when one of the plurality of lugs is received in one of the plurality of grooves, an inner surface of the one of the plurality of lugs is spaced from a bottom of the groove.

15. The track assembly of any one of claims 1 to 14, wherein: the plurality of lugs defines a plurality of gaps, and when the wheel and the endless track are engaged to one another, one of the plurality of engaging elements is received in one of the plurality of gaps.

16. The track assembly of any one of claims 1 to 15, wherein the rim has a first annular rim portion and a second annular rim portion, the plurality of engaging elements extend from the second annular rim portion, and when the wheel is operatively connected to the endless track, a portion of the inner face of the endless track is supported on the first annular rim portion.

17. The track assembly of any one of claims 1 to 16, wherein: the plurality of engaging elements of the wheel is a first plurality of engaging elements and the plurality of grooves defined therebetween is a first plurality of grooves, and the wheel further comprises a second plurality of engaging elements extending radially outwardly from the rim and defining a second plurality of grooves therebetween, the plurality of lugs of the endless track is a first plurality of lugs, and the endless track further comprises a second plurality of lugs extending outwardly from the second lateral side, the second plurality of lugs being longitudinally spaced from one another along the second lateral side; wherein: each lug of the second plurality of lugs is sized and shaped to be received in a respective groove of the second plurality of grooves; and each lug of the second plurality of lugs is sized and shaped to be received in a respective groove of the second plurality of grooves such that, a given one lug of the second plurality of lugs extends across the rim of the wheel to be received in the respective groove.

18. A vehicle comprising: a body; an engine supported by the body; and at least two track systems according to any one of claims 1 to 17, the at least two track systems being operatively connected to the engine.

19. The vehicle of claim 18, wherein the vehicle is a military vehicle.

20. A replacement wheel for replacing a wheel adapted for a metallic track and, the replacement wheel being configured to be in driving engagement with an endless track, the

replacement wheel comprising: a rim having a first annular rim portion and a second annular rim portion; and a plurality of engaging elements disposed circumferentially around the second annular rim portion, the plurality of engaging elements extending radially outwardly from the second annular rim portion and defining a plurality of grooves therebetween.