CLAIMS

What is claimed is:

1. A dewar tipping system, comprising:

a first dewar configured to store a liquid or a gas;

a dewar tipper including:

a cradle configured to capture the first dewar,

a counter balance assembly configured to tip or angle the cradle to pour a liquid or gas out of the first dewar, and

a handle coupled to the counter balance assembly and configured to activate the counter balance assembly when in an engaged position;

a handle latch coupled to the cradle and configured to engage the handle and to hold the handle in the engaged position; and

one of a second dewar or a catch basin to receive the liquid or gas when the first dewar is angled or inverted.

2. The dewar tipping system of claim 1, wherein the dewar tipper further includes:

a sliding device configured to pull the one of the second dewar or the catch basin under a centerline of the first dewar when the first dewar is angled or inverted.

3. The dewar tipping system of claim 1, wherein the dewar tipper further includes:

a lid receptacle coupled to the cradle and configured to hold a lid of the first dewar when the cradle is tipped or angled to pour the liquid or gas out of the first dewar.

4. The dewar tipping system of claim 1, wherein the dewar tipper further includes:

a retention band with a locking latch and coupled to the cradle, wherein the retention band with the locking latch is configured hold the first dewar in the cradle when the cradle with the first dewar is angled or inverted.

5. The dewar tipping system of claim 1, wherein the dewar tipper further includes:

a base coupled to the cradle and the one of the second dewar or the catch basin; and

a plurality of wheels coupled to the base and configured to allow movement of the base, the cradle and the at least one of the second dewar or the catch basin.

6. The dewar tipping system of claim 1, further comprising:

a dewar roller configured to move the first dewar when the first dewar is placed on the dewar roller.

7. A dewar tipper, comprising:

a cradle configured to capture the first dewar;

a counter balance assembly configured to tip or angle the cradle to pour a liquid or gas out of the first dewar;

a handle coupled to the counter balance assembly and configured to activate the counter balance assembly when in an engaged position;

a handle latch coupled to the cradle and configured to engage the handle and to hold the handle in the engaged position; and

a second dewar or a catch basin to receive the liquid or gas when the first dewar is angled or inverted.

8. The dewar tipper of claim 7, further comprising:

a sliding device configured to pull the at least one of the second dewar or the catch basin under a centerline of the first dewar when the first dewar is angled or inverted.

9. The dewar tipper of claim 7, further comprising:

a lid receptacle coupled to the cradle and configured to hold a lid of the first dewar when the cradle is tipped or angled to pour the liquid or gas out of the first dewar.

10. The dewar tipper of claim 7, further comprising:

a locking latch or band coupled to the cradle and configured hold the first dewar in the cradle when the cradle with the first dewar is angled or inverted.

11. The dewar tipper of claim 7, further comprising:

a base coupled to the cradle and the at least one of the second dewar or the catch basin; and

a plurality of wheels coupled to the base and configured to allow movement of the base, the cradle and the at least one of the second dewar or the catch basin.

12. The dewar tipper of claim 7, wherein the one of the second dewar or the catch basin is the catch basin.

13. The dewar tipper of claim 7, wherein the cradle is a modular or interchangeable cradle that is configured to be removed and interchanged with another cradle of a different size or shape that receives another dewar of the different size or shape.

14. A dewar tipper, comprising:

a cradle configured to capture a first dewar;

a counter balance assembly configured to tip or angle the cradle to pour a liquid or gas out of the first dewar; and

a handle coupled to the counter balance assembly and configured to activate the counter balance assembly when in an engaged position; and

a handle latch coupled to the cradle and configured to engage the handle and to hold the handle in the engaged position.

15. The dewar tipper of claim 14, further comprising a catch basin to receive the liquid or gas when the first dewar is angled or inverted.

16. The dewar tipper of claim 15, wherein when the handle is positioned in the engaged position, the counter balance assembly is tipped, angled or inverted such that the first dewar is tipped, angled or inverted directly over the catch basin such that the liquid or gas pours out into the catch basin.

17. The dewar tipper of claim 16, wherein the counter balance assembly includes a spring or slide, wherein when the counter balance assembly is tipped, angled or inverted over the catch basin, the spring or slide moves the catch basin under a centerline of the first dewar.

18. The dewar tipper of claim 15, further comprising:

a base coupled to the cradle and the at least one of the second dewar or the catch basin;

a plurality of wheels coupled to the based and configured to allow movement of the dewar tipper; and

a locking device configured to lock the plurality of wheels to prevent movement of the dewar tipper.

19. The dewar tipper of claim 14, the cradle is adjustable to receive different sizes or shapes of dewars.