~~What is claimed is:~~Claims

1. A refrigerated freight container (300) for shipping agricultural commodities, the refrigerated freight container comprising:

a generator (304) that generates gas pressure to balance vacuum pressure that accumulates over time in the refrigerated freight container and

a carbon dioxide scrubber (120), wherein: the carbon dioxide scrubber (120) is configured to automatically activate after sensing carbon dioxide levels in the refrigerated freight container (300) reaching a maximum allowable set point CO2H for storing therein the agricultural commoditie s and to deactivate when carbon dioxide is at or below a low set point CO2L ; and

the generator (304) is configured to activate by activation of the carbon dioxide scrubber (120) to generate an inert gas to balance vacuum pressure created in the refrigerated freight container (300) by operation of the carbon dioxide scrubber (120).

~~2. The container of claim 1 wherein the generator automatically activates after sensing oxygen levels in the container reaching a maximum allowable set point for storing therein the agricultural commodities.~~

~~3. The container of claim 1 wherein the generator generates an inert gas.~~

~~4.~~2. The refrigerated freight container ~~generator~~ of claim 1 wherein the generator (304) generates nitrogen gas.

~~5. The container of claim 1, wherein the container is a freight container.~~

~~6. The container of claim 1, wherein the container is a refrigerated freight container.~~

~~7. The container of claim 1 including a carbon dioxide scrubber that automatically activates after sensing carbon dioxide levels in the container reaching a maximum allowable set point for storing therein the agricultural commodities.~~

~~8. The container of claim 7, wherein the scrubber and generator operate independently.~~

~~9. The container of claim 8 wherein the scrubber and generator operate concurrently.~~

~~10. The container of claim 9 wherein the generator alone or with the scrubber creates positive pressure in the container.~~

~~11.~~3. A method for shipping agricultural commodities in a refrigerated freight container (300),

wherein the refrigerated freight container (300) comprises~~comprising~~ a generator and a carbon dioxide scrubber (120) and the method ~~includes~~ comprises:

automatically activating the carbon dioxide scrubber (120) after sensing carbon dioxide levels in the refrigerated freight container (300) reaching a maximum allowable set

point CO2H for storing therein the agricultural commodities;

activating the generator (304) by activation of the carbon dioxide scrubber (120), thereby generating an inert gas to ~~generating~~ generate gas pressure to balance vacuum pressure that accumulates over time in the refrigerated freight ~~-~~container (300) due to operation of the carbon dioxide scrubber (120); and

deactivating the carbon dioxide scrubber (120) when carbon dioxide is at or below a low set point CO2L.

~~12. The method of claim 11 wherein the generator automatically activates after sensing oxygen levels in the container reaching a maximum allowable set point for storing therein the agricultural commodities.~~

~~13. The method of claim 11 wherein the generator generates an inert gas.~~

~~14.~~4. The method of claim ~~11~~ 3 wherein the generator (304) generates nitrogen gas.

~~15. The method of claim 11, wherein the container is a freight container.~~

~~16. The method of claim 11, wherein the container is a refrigerated freight container.~~

~~17. The method of claim 11, including a carbon dioxide scrubber that automatically activates after sensing carbon dioxide levels in the container reaching a maximum allowable set point for storing therein the agricultural commodities.~~

~~18. The method of claim 17, wherein the scrubber and generator operate independently.~~

~~19. The method of claim 18, wherein the scrubber and generator operate concurrently.~~

~~20. The method of claim 19 wherein the generator alone or with the scrubber creates positive pressure in the container.~~