What is claimed is:

1. A toy projectile launcher, comprising:

a projectile container containing a plurality of projectile holders, each projectile holder configured to contain a loaded projectile, wherein the projectile container includes a plurality of resilient projectile stoppers, wherein each resilient projectile stopper abuts a portion of a respective projectile loaded in a respective projectile holder;

a cocking slide that is adapted to be moved forward and backward; and

a housing, the housing having disposed therein:

a launch barrel;

an air piston assembly, the air piston assembly including an air piston barrel having an air nozzle disposed on a front portion thereof, a plunger element, and a compression spring;

wherein the projectile container, the launch barrel, and the air piston assembly are each coupled to the cocking slide;

wherein, when the cocking slide is moved backward from a forward position to a backward position:

a front portion of the air piston barrel moves backward and pushes the plunger element to compress the compression spring against a rear wall of the housing, wherein the plunger element and compression spring are held in place by a latching mechanism; and

a projectile advancement mechanism engages the projectile container and advances a next projectile holder containing a loaded projectile into a firing position in front of the air piston barrel; and

wherein, when the cocking slide is moved forward from the backward position to the forward position:

the front portion of the air piston barrel moves forward, forming an internal air chamber between the front portion of the air piston barrel and the plunger element; and

the air nozzle moves forward to form an airtight seal between the air piston barrel and the launch barrel,

wherein a front portion of the air nozzle engages a trailing surface of one of the plurality of resilient projectile stoppers,

wherein, upon said engagement by the front portion of the air nozzle, the one of the plurality of resilient projectile stoppers flexes outward to allow the front portion of the air nozzle to extend through the next projectile holder,

wherein the front portion of the air nozzle pushes the loaded projectile in the next projectile holder from the next projectile holder into the launch barrel, and

wherein the front portion of the air nozzle connects to the launch barrel to form an airtight seal between the air piston barrel and the launch barrel.

2. The toy projectile launcher of claim 1, wherein the front portion of the air nozzle pushes the loaded projectile from the next projectile holder into a firing position in front of the airtight seal between the launch barrel and the air piston barrel.

3. The toy projectile launcher of claim 1, wherein the plunger element is sized to form an airtight seal with an internal surface of the air piston barrel.

4. The toy projectile launcher of claim 3, wherein the plunger element incorporates a resilient O-ring to form the airtight seal between the plunger element and the internal surface of the air piston barrel.

5. The toy projectile launcher of claim 3, wherein the internal surface of the air piston barrel has incorporated thereon a resilient ring, wherein the resilient ring forms an airtight seal between the plunger element and the internal surface of the air piston barrel.

6. The toy projectile launcher of claim 1, wherein the plurality of resilient projectile stoppers comprises a plurality of S-shaped cantilever springs.

7. The toy projectile launcher of claim 1, wherein the latching assembly is coupled between the plunger element and a trigger assembly, wherein the trigger assembly is adapted to be pulled backward by a user of the toy projectile launcher.

8. The toy projectile launcher of claim 7, wherein, when the trigger assembly is pulled backward, the coupling of the latching assembly between the plunger element and trigger assembly is released, and the plunger element is pushed forward by the compression spring to expel

air from the internal air chamber through the air nozzle disposed on the front portion of the air piston barrel behind the loaded projectile in the firing position.

9. The toy projectile launcher of claim 1, wherein the projectiles are foam darts.

10. A toy projectile launcher, comprising:

a projectile container containing a plurality of projectile holders, each projectile holder configured to contain a loaded projectile, wherein the projectile container includes a plurality of resilient projectile stoppers, wherein each resilient projectile stopper abuts a portion of a respective projectile loaded in a respective projectile holder;

a cocking slide that is adapted to be moved forward and backward; and

a housing, the housing having disposed therein:

a launch barrel;

a launch barrel interface section coupled to the launch barrel; and

an air piston assembly, the air piston assembly including an air piston barrel having an air nozzle disposed on a front portion thereof, a plunger element, and a compression spring;

wherein the projectile container, the launch barrel, and the air piston assembly are each coupled to the cocking slide;

wherein, when the cocking slide is moved backward from a forward position to a backward position:

a front portion of the air piston barrel moves backward and pushes the plunger element to compress the compression spring against a rear wall of the housing, wherein the plunger element and compression spring are held in place by a latching mechanism; and

a projectile advancement mechanism engages the projectile container and advances a next projectile holder containing a loaded projectile into a firing position in front of the air piston barrel; and

wherein, when the cocking slide is moved forward from the backward position to the forward position:

the front portion of the air piston barrel moves forward, forming an internal air chamber between the front portion of the air piston barrel and the plunger element; and

a front portion of the air nozzle forms an airtight connection with the launch barrel via an airtight seal between the launch barrel interface section and the front portion of the air nozzle,

wherein the front portion of the air nozzle engages a trailing surface of one of the plurality of resilient projectile stoppers,

wherein, upon said engagement by the front portion of the air nozzle, the one of the plurality of resilient projectile stoppers flexes outward to allow the front portion of the air nozzle to extend through the next projectile holder,

wherein the front portion of the air nozzle pushes the loaded projectile in the next projectile holder from the next projectile holder into the launch barrel interface section.

11. The toy projectile launcher of claim 10, wherein the front portion of the air nozzle pushes the loaded projectile from the next projectile holder into a firing position in the launch barrel interface section in front of the airtight seal between the launch barrel interface section and the air nozzle.

12. The toy projectile launcher of claim 11, wherein the launch barrel interface section has a rounded taper at a rear trailing interior edge thereof.

13. The toy projectile launcher of claim 12, wherein the air nozzle has incorporated thereon an O-ring around an outer circumference of the air nozzle, wherein the O-ring of the air nozzle forms a seal around an internal circumference of the launch barrel interface section.

14. The toy projectile launcher of claim 10, wherein the plunger element is sized to form an airtight seal with an internal surface of the air piston barrel.

15. The toy projectile launcher of claim 14, wherein the plunger element incorporates a resilient O-ring to form the airtight seal between the plunger element and the internal surface of the air piston barrel.

16. The toy projectile launcher of claim 14, wherein the internal surface of the air piston barrel has incorporated thereon a resilient ring, wherein the resilient ring forms an airtight seal between the plunger element and the internal surface of the air piston barrel.

17. The toy projectile launcher of claim 10, wherein the plurality of resilient projectile stoppers comprises a plurality of S-shaped cantilever springs.

18. The toy projectile launcher of claim 10, wherein the latching assembly is coupled between the plunger element and a trigger assembly, wherein the trigger assembly is adapted to be pulled backward by a user of the toy projectile launcher.

19. The toy projectile launcher of claim 18, wherein, when the trigger assembly is pulled backward, the coupling of the latching assembly between the plunger element and trigger assembly is released, and the plunger element is pushed forward by the compression spring to expel air from the internal air chamber through the air nozzle disposed on the front portion of the air piston barrel behind the loaded projectile in the firing position.

20. The toy projectile launcher of claim 10, wherein the projectiles are foam darts.

21. A drum for use with a toy projectile launcher, the toy projectile launcher having a launch barrel, an air piston barrel, and an air nozzle, the drum comprising:

a front element including a plurality of projectile holders, wherein each of the plurality of projectile holders is configured to hold a projectile;

a rear element; and

a plurality of resilient projectile stoppers, each resilient projectile stopper corresponding to one of the plurality of projectile holders,

wherein each resilient projectile stopper has a front surface that is maintained at least partially inside of a corresponding projectile holder and abuts and is in direct contact with a rear surface of a projectile held in the corresponding projectile holder so as to maintain the projectile within the corresponding projectile holder;

wherein each of the plurality of projectile holders has a front opening and a rear opening through which the air nozzle of the projectile launcher can extend,

wherein each resilient projectile stopper has a trailing surface configured to be engaged by the air nozzle and, in response to the engagement, to flex away from the corresponding projectile holder and allow the air nozzle to extend through the corresponding projectile holder and push the projectile out of the corresponding projectile holder and into the launch barrel of the toy projectile launcher, and

wherein an outer diameter of the air nozzle is substantially equal to an inner diameter of the corresponding projectile holder so as to maintain an airtight seal from the launch barrel to the air piston barrel.

22. The drum of claim 21, further comprising:

at least one notch incorporated on the rear element, the at least one notch adapted for engagement with a hook element of an advancement block of the toy projectile launcher,

wherein, upon engagement between the hook element and the notch, the drum rotates to advance a next projectile holder into a firing position within the toy projectile launcher.

23. The drum of claim 21, further comprising a plurality of spring assemblies, each spring assembly anchoring one or more of the plurality of resilient projectile stoppers to the drum.

24. The drum of claim 21, wherein the plurality of resilient projectile stoppers are composed of a resilient thermoplastic material.

25. The drum of claim 21, wherein the plurality of resilient projectile stoppers are S-shaped cantilever springs.

26. The drum of claim 21, wherein the drum is removable from the toy projectile launcher.

27. The drum of claim 21, wherein the projectiles are foam darts.