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(54) Title: LAUNCHER OF SHORT PROJECTILES WITH DETACHABLE BARREL

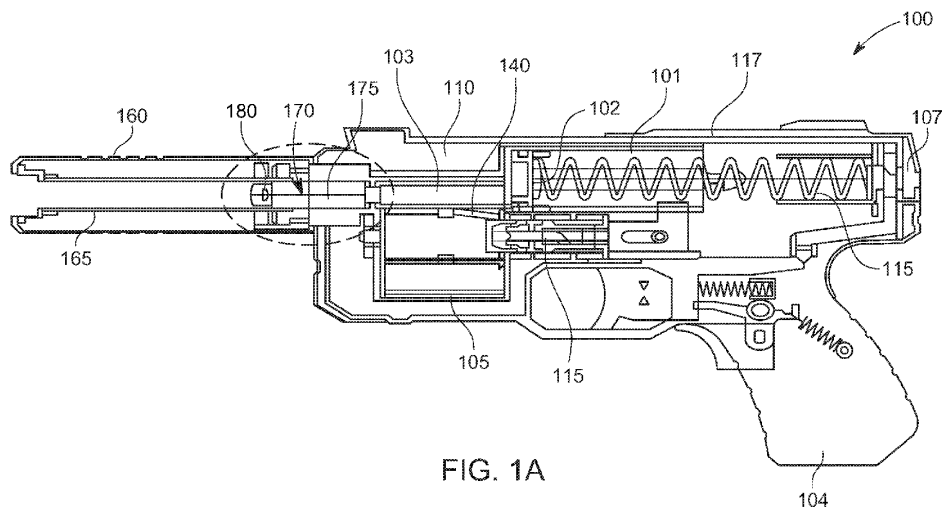


FIG. 1A

(57) Abstract: A toy projectile launcher having a housing, a projectile container, a cocking slide, an air piston assembly, a barrel interface section, and a detachable launch barrel is disclosed. The projectile container is adapted to hold projectiles, such as foam darts. The cocking slide can be moved for-ward and backward. When the cocking slide is moved backward the air piston barrel moves back-ward, and a projectile is moved in front of the air piston assembly. When the cocking slide is moved forward, the projectile is pushed into the barrel interface section by an air nozzle disposed on the front of the air piston assembly. A first airtight seal is formed between the air piston assembly and the rear of the foam dart, and a second airtight seal is formed between the barrel interface section and the detachable launch barrel.

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