

Title (en)
TRAINING CARTRIDGE FOR A SHOTGUN

Title (de)
TRAININGSPATRONE FÜR EINE SCHUSSWAFFE

Title (fr)
CARTOUCHE D'ENTRAINEMENT POUR UN ARME À FEU

Publication
EP 3789724 A1 20210310 (EN)

Application
EP 20191617 A 20200818

Priority
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Abstract (en)
Training cartridge (1) for a shotgun (47), comprising an outer hollow casing (2) closed at its opposite ends (3,4) by front and a rear parts (5, 6), respectively. A concentrically arranged, inner barrel tube (7) is for accommodating at least two pellets (Pf, P, Pr) before shooting. A compartment (9) for accommodating pressurized gas is defined between the inside (10) of the outer hollow casing (2), the insides (11, 12) of the front and rear parts (5, 6) and the outside (13) of the barrel tube (7). With the inventive solution, a pellet loading opening (16) is arranged at the stern surface (17) of the rear part (6), and at least one gas flow channel (18;19) with a valve (20;21) is arranged extending through the side of the barrel tube (7) at an axial position of more than 1 1/2 barrel diameter from the pellet loading opening (16). The valve (20;21) has a movable part (22;23) extending into the barrel (8). The at least two pellets (Pf, P, Pr) are introduced into the barrel through the central loading opening (16) until the most rear pellet (Pr) is flush with the stern surface (17) of the rear part (6). The at least one rear pellet (P, Pr) then closes off the barrel (8). No other closure means are arranged at the rear part (6). When shooting, the firing pin (52) hammers directly at the most rear pellet (Pr) causing all the pellets (Pf, P, Pr) to move forward through the barrel (8). The front pellet engages immediately with the movable part (22;23) of the valve (20; 21), and causes it to open the valve for gas inlet. The gas rapidly flows in between the front pellet (Pf) and the succeeding rear pellet (P), so that the front pellet (Pf) is shoot out of the barrel (8). The pellets are typically plastic pellets weighing 0,12-0,5 grams. The pellet trajectory is kept as short as typically 4-6 meters. The inventive training cartridge is then highly reliable and safe for the shooter or rifleman to exercise with outside the official shooting premises. For the animal hunter it is a great advantage, that shooting with his own shotgun at his home premises can be exercised, so that building up muscle memory with his own weapon before going out in the nature is achieved.

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Citation (search report)

- [A] KR 870004192 U 19870331
- [A] DE 29807279 U1 19981105 - VOELKER RAINER [DE], et al
- [A] GB 1601917 A 19811104 - HILVENNA LTD
- [A] US 6428384 B1 20020806 - SU SUSAN [TW]

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