

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F41 WEAPONS

**F41B WEAPONS FOR PROJECTING MISSILES WITHOUT USE OF EXPLOSIVE OR COMBUSTIBLE PROPELLANT CHARGE; WEAPONS NOT OTHERWISE PROVIDED FOR** (projectiles for fishing, e.g. fish-spears, A01K 81/00; sports implements for throwing A63B 65/00, e.g. boomerangs A63B 65/08; stationary apparatus for projecting sports balls, e.g. tennis balls, A63B 69/40; throwing or slinging toys A63H 33/18, knives, axes B26B; projectiles or missiles other than those incorporating springs as projecting means F42B 6/00)

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FRICTION-WHEEL OPERATED LAUNCHERS.....	4/00
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OTHER WEAPONS.....	15/00

<b>1/00 Blow guns, i.e. tubes for impelling projectiles, e.g. peas or darts, by the force of the breath</b> (pop guns A63H)	<b>11/00 Compressed-gas guns, e.g. air guns; Steam guns [1, 2013.01]</b>
<b>3/00 Sling weapons</b> (throwing-apparatus for clay-pigeon or clay-disc targets F41J 9/18)	11/50 • Magazines for compressed-gas guns; Arrangements for feeding or loading projectiles from magazines [2013.01]
3/02 • Catapults, e.g. slingshots [3]	11/51 • • the magazine being an integral, internal part of the gun housing [2013.01]
3/03 • • Catapults having a pivotable launcher arm [5]	11/52 • • the projectiles being loosely held in a magazine above the gun housing, e.g. in a hopper [2013.01]
3/04 • Centrifugal sling apparatus [3]	11/53 • • • the magazine having motorised feed-assisting means [2013.01]
<b>4/00 Friction-wheel operated launchers [5]</b>	11/54 • • the projectiles being stored in a rotating drum magazine [2013.01]
<b>5/00 Bows; Crossbows</b>	11/55 • • the projectiles being stored in stacked order in a removable box magazine, rack or tubular magazine [2013.01]
5/06 • Quivers [3]	11/56 • • • the magazine also housing a gas cartridge [2013.01]
5/10 • Compound bows [5]	11/57 • • Electronic or electric systems for feeding or loading (F41B 11/53 takes precedence) [2013.01]
5/12 • Crossbows [5]	11/60 • characterised by the supply of compressed gas [2013.01]
5/14 • Details of bows; Accessories for arc shooting (sighting devices for bows F41G 1/467) [5]	11/62 • • with pressure supplied by a gas cartridge [2013.01]
5/16 • • Archer's finger tabs (sporting arm or hand protectors in general A41D 13/08) [5]	11/64 • • having a piston effecting a compressor stroke during the firing of each shot [2013.01]
5/18 • • Bow-string drawing or releasing devices (F41B 5/16 takes precedence) [5]	11/641 • • • the piston being hand operated [2013.01]
5/20 • • Bow stabilisers or vibration dampers [5]	11/642 • • • the piston being spring operated [2013.01]
5/22 • • Arrow rests or guides [5]	11/643 • • • • the piston being arranged concentrically with the barrel [2013.01]
<b>6/00 Electromagnetic launchers [5]</b>	11/644 • • • • having an additional slidable mass moving in the opposite direction to the piston, e.g. for recoil reduction [2013.01]
<b>7/00 Spring guns</b> (catapults F41B 3/02)	
7/02 • the spring forming part of the missile or projectile	
7/04 • adapted to discharge harpoons	
7/08 • Toy guns	
<b>9/00 Liquid ejecting guns, e.g. water pistols</b>	

## F41B

- 11/645 • • • • the slidable mass being a compressor piston **[2013.01]**
- 11/646 • • • • Arrangements for putting the spring under tension **[2013.01]**
- 11/647 • • • • • by a rocker lever **[2013.01]**
- 11/648 • • • • • in breakdown air guns **[2013.01]**
- 11/66 • • having deformable bellows or chambers pressed during firing, e.g. by deformation of the body of the gun **[2013.01]**
- 11/68 • • the gas being pre-compressed before firing (F41B 11/62 takes precedence) **[2013.01]**
- 11/681 • • • Pumping or compressor arrangements therefor **[2013.01]**
- 11/682 • • • • Pressure accumulation tanks **[2013.01]**
- 11/683 • • • • operated by a rocker-lever system **[2013.01]**
- 11/684 • • • • • in breakdown air guns **[2013.01]**
- 11/70 • Details not provided for in F41B 11/50 or F41B 11/60 **[2013.01]**
- 11/71 • • Electric or electronic control systems, e.g. for safety purposes **[2013.01]**
- 11/72 • • Valves; Arrangement of valves **[2013.01]**
- 11/721 • • • for regulating gas pressure for both firing the projectile and for loading or feeding **[2013.01]**
- 11/722 • • • for regulating gas pressure for loading or feeding only **[2013.01]**
- 11/723 • • • for regulating gas pressure for firing the projectile only **[2013.01]**

- 11/724 • • • for gas pressure reduction **[2013.01]**
- 11/73 • • Sealing arrangements; Pistons **[2013.01]**
- 11/80 • specially adapted for particular purposes **[2013.01]**
- 11/81 • • for ejecting powder, e.g. pepper **[2013.01]**
- 11/83 • • for launching harpoons **[2013.01]**
- 11/85 • • for launching hypodermic projectiles **[2013.01]**
- 11/87 • • for industrial purposes, e.g. for surface treatment **[2013.01]**
- 11/89 • • for toys **[2013.01]**
- 13/00 Thrusting-weapons** (bayonets F41C 27/18); **Cutting-weapons carried as side-arms** (training appliances for fencing A63B 69/02; sheaths for hand cutting tools B26B 29/00)
- 13/02 • Sabres; Cutlasses; Swords; Epees
- 13/04 • • Sheaths or scabbards therefor
- 13/06 • • • for concealment, e.g. swordsticks
- 13/08 • Daggers; Stilettoes
- 13/10 • Lances; Pikes (spears for sporting purposes A63B 65/02)
- 15/00 Weapons not otherwise provided for**
- 15/02 • Batons; Truncheons; Sticks; Shillelaghs
- 15/04 • • with electric stunning-means
- 15/06 • • with inserted knives or spikes
- 15/08 • Knuckledusters
- 15/10 • Bolas