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)

WARNINGS
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - F41B 5/16 covered by F41B 5/1473
   - F41B 5/18 covered by F41B 5/1469
   - F41B 5/20 covered by F41B 5/1426
   - F41B 5/22 covered by F41B 5/143
2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Blow guns, i.e. tubes for impelling projectiles, e.g. peas or darts, by the force of the breath (pop guns A63H)
5/0094 . [Non-traditional bows, e.g. having hinged limbs or non-stave geometry]
5/06 . Quivers
5/063 . [worn on the body of the archer]
5/066 . [mounted on the bow or crossbow]
5/10 . Compound bows (compound crossbows F41B 5/123)
5/105 . [Cams or pulleys for compound bows]
5/12 . Crossbows
5/123 . [Compound crossbows]
5/126 . [Repeating crossbows; crossbows with magazines]
5/14 . Details of bows; Accessories for arc shooting (sighting devices for bows F41G 1/467)
5/1403 . [Details of bows; (camera's on bows F41B 5/1492)]
5/1407 . [Bow-string silencing devices]
5/1411 . [Bow-strings]
5/1415 . . [Nocking points]
5/1419 . . [String mounted peep sights (sights mounted on the bow itself F41G 1/467)]
5/1423 . . [Kissers]
5/1426 . . [Bow stabilisers or vibration dampers]
5/143 . [Arrow rests or guides]
5/1430 . [Arrow rests or guides]
5/1434 . . [Clickers or draw indicators]
5/1438 . . [Buttons]
5/1442 . . [Accessories for arc or bow shooting]
5/1446 . . [Arrow fletching jigs]
5/1449 . . [Bow tensioning devices; Bow presses; Rigs for bow assembly or maintenance]
5/1453 . . [Stands, rests or racks for bows]
Liquid ejecting guns, e.g. water pistols, devices ejecting electrically charged liquid jets, devices ejecting liquid jets by explosive pressure

- (Cases, bags or covers for bows)
- [Devices for hands-free carrying of strung bows]
- [Arrow pullers]
- [Bow-string drawing or releasing devices (F41B 5/1473 takes precedence)]
- [Archer's finger tabs]
- [Devices for archery training]
- [Accessories and tools for bow shooting not otherwise provided for]
- [Bows with special adaptations or devices for special purposes]
- [with reels for fishing or arrow retrieval]
- [with cameras; mounting of cameras on bows]
- [with camouflage; Mounting of camouflage on bows]

Emmephatic launchers (Pump-actuated launchers (projectiles for electromagnetic or plasma guns F41B 6/006))

- ([using at least one driving coil for accelerating the projectile, e.g. an annular coil]
- [Rail launchers]

Spring guns ((F41J 9/18 takes precedence; catapults having a cocking device F41B 3/005); catapults F41B 3/02; {throwing apparatus for boomerangs A63B 65/08; spring-loaded devices for projecting sporting balls A63B 69/07})

- (Spring guns in pistol or rifle form)
- (Adaptations for feeding or loading missiles from magazines)
- the spring forming part of the missile or projectile
- {Rubber-band projecting guns}
- adapted to discharge harpoons
- {Accessories therefor}
- {Trigger mechanisms therefor}
- Toy guns, i.e. guns launching objects of the gliding type, e.g. airplanes, parachute missiles (F41B 7/006 and F41B 7/02 take precedence)

Liquid ejecting guns, e.g. water pistols, devices ejecting electrically charged liquid jets, devices ejecting liquid jets by explosive pressure

- (the liquid being pressurised at the moment of ejection)
- [Pressurisation by deformation of the gun body]
- [Pressurisation by a piston]
- [the piston movement being mechanically coupled to the trigger movement, e.g. the piston being part of the trigger]
- [Pressurisation by explosive pressure]
- [Disruptors, i.e. for neutralising explosive devices]
- [the gun being connected to an external source of pressurised liquid during use of the gun, i.e. at least during ejection of the liquid]
- [the external source being a pressurised water supply system, e.g. the municipal water supply system or a water supply system onboard a ship]
- [the external source being open water and the pressure being generated by an intake travelling at high speed through the water]
- [characterised by the number or kind of pressure or storage chambers]
- [the liquid being stored in the handle, grip or stock of the gun]
- [with removable storage tanks]
- [with more than one storage tank]
- [characterised by special valve arrangements]
- [characterised by special nozzle arrangements, e.g. for a swirling effect or a directional effect]
- [characterised by the gun housing, e.g. its shape or concealment]
- [Special gun housing shapes, e.g. in the form of animals, airplanes, toys or figurines]
- [Concealed gun housings, e.g. concealed nozzles in a garment]
- [characterised by the intended use, e.g. for self-defence, law-enforcement, industrial use, military purposes (F41B 9/0046 takes precedence)]
- [for ejecting electrically charged jets]
- [for riot control, e.g. water cannons therefor]
- [having means for mixing other agents with the liquid]

Compressed-gas guns, e.g. air guns, steam guns

- Magazines for compressed-gas guns; Arrangements for feeding or loading projectiles from magazines
- the magazine being an integral, internal part of the gun housing
- the projectiles being loosely held in a magazine above the gun housing, e.g. in a hopper
- the magazine having motorised feed-assisting means
- the projectiles being stored in a rotating drum magazine
- the projectiles being stored in stacked order in a removable box magazine, rack or tubular magazine
- the magazine also housing a gas cartridge
Electronic or electric systems for feeding or loading (F41B 11/53 takes precedence)

**WARNING**

Group F41B 11/57 is impacted by reclassification into group F41B 11/71.

Groups F41B 11/57 and F41B 11/71 should be considered in order to perform a complete search.

11/60 . . . characterised by the supply of compressed gas
11/62 . . . with pressure supplied by a gas cartridge
11/64 . . . having a piston effecting a compressor stroke during the firing of each shot
11/641 . . . the piston being hand operated
11/642 . . . the piston being spring operated
11/643 . . . . . . the piston being arranged concentrically with the barrel
11/644 . . . . . . having an additional slidable mass moving in the opposite direction to the piston, e.g. for recoil reduction
11/645 . . . . . . the slidable mass being a compressor piston
11/646 . . . . . . Arrangements for putting the spring under tension
11/647 . . . . . . by a rocker lever
11/648 . . . . . . . in breakdown air guns
11/66 . . . . having deformable bellows or chambers pressed during firing, e.g. by deformation of the body of the gun
11/68 . . the gas being pre-compressed before firing (F41B 11/62 takes precedence)
11/681 . . . Pumping or compressor arrangements therefor
11/682 . . . Pressure accumulation tanks
11/683 . . . . . . operated by a rocker-lever system
11/684 . . . . . . in breakdown air guns
11/70 . . Details not provided for in F41B 11/50 or F41B 11/60
11/71 . . Electric or electronic control systems, e.g. for safety purposes

**WARNING**

Group F41B 11/71 is incomplete pending reclassification of documents from group F41B 11/57.

Groups F41B 11/57 and F41B 11/71 should be considered in order to perform a complete search.

11/72 . . . Valves; Arrangement of valves
11/721 . . . for controlling gas pressure for both firing the projectile and for loading or feeding
11/722 . . . for controlling gas pressure for loading or feeding only
11/723 . . . for controlling gas pressure for firing the projectile only
11/724 . . . for gas pressure reduction
11/73 . . . Sealing arrangements; Pistons
11/80 . . . specially adapted for particular purposes
11/81 . . . for ejecting powder, e.g. pepper
11/83 . . . for launching harpoons
11/85 . . . for launching hypodermic projectiles
11/87 . . . for industrial purposes, e.g. for surface treatment
11/89 . . . for toys

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; firearms combined with thrusting or cutting weapons F41C 27/16))

13/02 . . Sabres; Cutlasses; Swords; Epees (toy swords A63H 33/009)

**NOTE**

Documents characterised by electric contact means for indicating hits in fencing are classified in A63B 69/02

13/04 . . . Sheaths or scabbards therefor (Wearing gear therefor)
13/06 . . . for concealment, e.g. swordsticks
13/08 . . . Daggers; Stiletto
13/10 . . . Lances; Pikes (spears for sporting purposes A63B 65/02)

15/00 Weapons not otherwise provided for (e.g. nunchakus, throwing knives)

15/02 . . . Batons; Truncheons; Sticks; Shillelaghs
15/022 . . . (of telescopic type)
15/025 . . . . . . (the telescoping sections being locked by coating conical end surfaces, i.e. by friction)
15/027 . . . . . . (the telescoping sections being locked by an additional mechanical locking element)
15/04 . . . with electric stunning-means (ejecting electrically charged liquid jets F41B 9/00; electric shock creating harpoons F42B 30/14; electric circuits or apparatus for killing or stunning H05C)
15/06 . . . with inserted knives or spikes
15/08 . . . Knuckledusters
15/10 . . . Bolas