

CPC**COOPERATIVE PATENT CLASSIFICATION****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](#))

Guidance heading:

- F41B 1/00** **Blow guns, i.e. tubes for impelling projectiles, e.g. peas or darts, by the force of the breath** ([pop guns A63H](#))
- F41B 3/00** **Sling weapons** ([throwing-apparatus for clay-pigeon or clay-disc targets F41J 9/18](#))
- F41B 3/005 . {Catapults in pistol or rifle form having a cocking device, i.e. a mechanical device for holding the elastic band }
- F41B 3/02 . Catapults, e.g. slingshots
- F41B 3/03 . . Catapults having a pivotable launcher arm
- F41B 3/04 . Centrifugal sling apparatus
- F41B 4/00** **Friction-wheel operated launchers**
- F41B 5/00** **Bows; Crossbows**
- F41B 5/0005 . { Single stave recurve bows }
- F41B 5/001 . . { characterised by the material }
- F41B 5/0015 . . . { fibre reinforced }
- F41B 5/0021 . . . { laminated }
- F41B 5/0026 . . { Take-down or foldable bows }
- F41B 5/0031 . . . { Handle or riser units }
- F41B 5/0036 { characterised by the material }
- F41B 5/0042 { fibre reinforced }
- F41B 5/0047 { laminated }
- F41B 5/0052 . . . { Limbs }
- F41B 5/0057 { characterised by the material }
- F41B 5/0063 { fibre reinforced }
- F41B 5/0068 { laminated }
- F41B 5/0073 . { Single stave non-recurve bows }

F41B 5/0078	.. { characterised by the material }
F41B 5/0084	... { fibre reinforced }
F41B 5/0089	... { laminated }
F41B 5/0094	. { Non-traditional bows, e.g. having hinged limbs or non-stave geometry }
F41B 5/06	. Quivers
F41B 5/063	.. { worn on the body of the archer }
F41B 5/066	.. { mounted on the bow or crossbow }
F41B 5/10	. Compound bows ({ compound crossbows F41B 5/123 })
F41B 5/105	.. { Cams or pullies for compound bows }
F41B 5/12	. Crossbows
F41B 5/123	.. { Compound crossbows }
F41B 5/126	.. { Repeating crossbows; crossbows with magazines }
F41B 5/14	. Details of bows; Accessories for arc shooting (sighting devices for bows F41G 1/467)
F41B 5/1403	.. { Details of bows; camera's on bows F41B 5/1492 }
F41B 5/1407	... { Bow-string silencing devices }
F41B 5/1411	... { Bow-strings }
F41B 5/1415 { Nocking points }
F41B 5/1419 { String mounted peep sights (sights mounted on the bow itself) F41G 1/467 }
F41B 5/1423 { Kissers }
F41B 5/1426	... { Bow stabilisers or vibration dampers }
F41B 5/143	... { Arrow rests or guides }
F41B 5/1434	... { Clickers or draw indicators }
F41B 5/1438	... { Buttons }
F41B 5/1442	.. { Accessories for arc or bow shooting }
F41B 5/1446	... { Arrow fletching jigs }
F41B 5/1449	... { Bow tensioning devices; Bow presses; Rigs for bow assembly or maintenance }
F41B 5/1453	... { Stands, rests or racks for bows }
F41B 5/1457	... { Cases, bags or covers for bows }
F41B 5/1461	... { Devices for hands-free carrying of strung bows }
F41B 5/1465	... { Arrow pullers }
F41B 5/1469	... { Bow-string drawing or releasing devices (F41B 5/1473 takes precedence) }
F41B 5/1473	... { Archer's finger tabs }
F41B 5/1476	... { Devices for archery training }
F41B 5/148	... { Accessories and tools for bow shooting not otherwise provided for }
F41B 5/1484	.. { Bows with special adaptations or devices for special purposes }
F41B 5/1488	... { with reels for fishing or arrow retrieval }
F41B 5/1492	... { with cameras; mounting of cameras on bows }
F41B 5/1496	... { with camouflage; Mounting of camouflage on bows }

- F41B 6/00** **Electromagnetic launchers;** {Plasma-actuated launchers (projectiles for electromagnetic or plasma guns [F42B 6/006](#)) }
- F41B 6/003 . {using at least one driving coil for accelerating the projectile, e.g. an annular coil }
- F41B 6/006 . { Rail launchers }
- F41B 7/00** **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 69/407](#) })
- F41B 7/003 . {Spring guns in pistol or rifle form }
- F41B 7/006 . {Adaptations for feeding or loading missiles from magazines }
- F41B 7/02 . the spring forming part of the missile or projectile
- F41B 7/025 .. {Rubber-band projecting guns }
- F41B 7/04 . adapted to discharge harpoons
- F41B 7/043 .. {Accessories therefor }
- F41B 7/046 ... {Trigger mechanisms therefor }
- F41B 7/08 . 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) }
- F41B 9/00** **Liquid ejecting guns, e.g. water pistols,** { devices ejecting electrically charged liquid jets, devices ejecting liquid jets by explosive pressure }
- F41B 9/0003 . { characterised by the pressurisation of the liquid (for launching torpedoes or stores from submarines [F41F 3/10](#)) }
- F41B 9/0006 .. { the liquid being pressurised prior to ejection }
- F41B 9/0009 ... { the pressurised liquid being contained in an expandable chamber, e.g. a bladder or a chamber with a spring-loaded slidable wall }
- F41B 9/0012 { the gun having an unpressurised liquid reservoir }
- F41B 9/0015 ... { the liquid being pressurised by compressed gas, e.g. air (pressurisation by explosion gases [F41B 9/0043](#)) }
- F41B 9/0018 { the gas being compressed utilising a manual piston pump }
- F41B 9/0021 { the gas being compressed by non-manual pumping means, e.g. an electric pump }
- F41B 9/0025 { the pressurised liquid and the compressed gas being physically separated from each other, e.g. by a movable wall }
- F41B 9/0028 { the gun having an unpressurised liquid reservoir }
- F41B 9/0031 .. { the liquid being pressurised at the moment of ejection }
- F41B 9/0034 ... { Pressurisation by deformation of the gun body }
- F41B 9/0037 ... { Pressurisation by a piston }
- F41B 9/004 { the piston movement being mechanically coupled to the trigger movement, e.g. the piston being part of the trigger }

- F41B 9/0043 . . . { Pressurisation by explosive pressure }
- F41B 9/0046 { Disruptors, i.e. for neutralising explosive devices }
- F41B 9/005 . . { 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 }
- F41B 9/0053 . . . { the external source being a pressurised water supply system, e.g. the municipal water supply system or a water supply system onboard a ship }
- F41B 9/0056 . . . { the external source being open water and the pressure being generated by an intake travelling at high speed through the water }

- F41B 9/0059 . { characterised by the number or kind of pressure or storage chambers }
- F41B 9/0062 . . { the liquid being stored in the handle, grip or stock of the gun }
- F41B 9/0065 . . { with removable storage tanks }
- F41B 9/0068 . . { with more than one storage tank }

- F41B 9/0071 . { characterised by special valve arrangements }

- F41B 9/0075 . { characterised by special nozzle arrangements, e.g. for a swirling effect or a directional effect }

- F41B 9/0078 . { characterised by the gun housing, e.g. its shape or concealment }
- F41B 9/0081 . . { Special gun housing shapes, e.g. in the form of animals, airplanes, toys or figurines }
- F41B 9/0084 . . { Concealed gun housings, e.g. concealed nozzles in a garment }

- F41B 9/0087 . { characterised by the intended use, e.g. for self-defence, law-enforcement, industrial use, military purposes ([F41B 9/0046 takes precedence](#)) }
- F41B 9/009 . . { for ejecting electrically charged jets }
- F41B 9/0093 . . { for riot control, e.g. water cannons therefor }

- F41B 9/0096 . { having means for mixing other agents with the liquid }

F41B 11/00 Compressed-gas guns, e.g. air guns; Steam guns

- F41B 11/50 . Magazines for compressed-gas guns; Arrangements for feeding or loading projectiles from magazines
- F41B 11/51 . . the magazine being an integral, internal part of the gun housing
- F41B 11/52 . . the projectiles being loosely held in a magazine above the gun housing, e.g. in a hopper
- F41B 11/53 . . . the magazine having motorised feed-assisting means

WARNING

This group is not complete pending reclassification; see also group [F41B 11/52](#)

- F41B 11/54 . . the projectiles being stored in a rotating drum magazine
- F41B 11/55 . . the projectiles being stored in stacked order in a removable box magazine, rack or tubular magazine
- F41B 11/56 . . . the magazine also housing a gas cartridge

- F41B 11/57 .. Electronic or electric systems for feeding or loading ([F41B 11/53 takes precedence](#))
- F41B 11/60 . characterised by the supply of compressed gas
- F41B 11/62 .. with pressure supplied by a gas cartridge
- F41B 11/64 .. having a piston effecting a compressor stroke during the firing of each shot
- F41B 11/641 ... the piston being hand operated
- F41B 11/642 ... the piston being spring operated
- F41B 11/643 the piston being arranged concentrically with the barrel
- F41B 11/644 having an additional slidable mass moving in the opposite direction to the piston, e.g. for recoil reduction
- F41B 11/645 the slidable mass being a compressor piston
- F41B 11/646 Arrangements for putting the spring under tension
- F41B 11/647 by a rocker lever
- F41B 11/648 in breakdown air guns
- F41B 11/66 .. having deformable bellows or chambers pressed during firing, e.g. by deformation of the body of the gun
- F41B 11/68 .. the gas being pre-compressed before firing ([F41B 11/62 takes precedence](#))
- F41B 11/681 ... Pumping or compressor arrangements therefor
- F41B 11/682 Pressure accumulation tanks
- F41B 11/683 operated by a rocker-lever system
- F41B 11/684 in breakdown air guns
- F41B 11/70 . Details not provided for in [F41B 11/50](#) or [F41B 11/60](#)
- F41B 11/71 .. Electric or electronic control systems, e.g. for safety purposes ([F41B 11/57 takes precedence](#))
- F41B 11/72 .. Valves; Arrangement of valves

WARNING

Groups [F41B 11/721](#) to [F41B 11/724](#) are not complete pending reclassification; see also group [F41B 11/72](#)

- F41B 11/721 ... for regulating gas pressure for both firing the projectile and for loading or feeding
- F41B 11/722 ... for regulating gas pressure for loading or feeding only
- F41B 11/723 ... for regulating gas pressure for firing the projectile only
- F41B 11/724 ... for gas pressure reduction
- F41B 11/73 .. Sealing arrangements; Pistons
- F41B 11/80 . specially adapted for particular purposes
- F41B 11/81 .. for ejecting powder, e.g. pepper
- F41B 11/83 .. for launching harpoons
- F41B 11/85 .. for launching hypodermic projectiles

WARNING

This group is not complete pending reclassification; see also groups
[F41B 11/50-F41B 11/724](#)

F41B 11/87 . . . for industrial purposes, e.g. for surface treatment

WARNING

This group is not complete pending reclassification; see also groups
[F41B 11/50-F41B 11/724](#)

F41B 11/89 . . . for toys

F41B 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](#) })

F41B 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](#)

F41B 13/04 . . . Sheaths or scabbards therefor; {Wearing gear therefor }

F41B 13/06 for concealment, e.g. swordsticks

F41B 13/08 . Daggers; Stilettoes

F41B 13/10 . Lances; Pikes (spears for sporting purposes [A63B 65/02](#))

F41B 15/00 **Weapons not otherwise provided for** {e.g. nunchakus, throwing knives }

F41B 15/02 . Batons; Truncheons; Sticks; Shillelaghs

F41B 15/022 . . {of telescopic type }

F41B 15/025 . . . {the telescoping sections being locked by coaxing conical end surfaces, i.e. by
 friction }

F41B 15/027 . . . {the telescoping sections being locked by an additional mechanical locking
 element }

F41B 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](#)) }

F41B 15/06 . . with inserted knives or spikes

F41B 15/08 . Knuckledusters

F41B 15/10 . Bolas