

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](#))

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 coating 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