

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

F41B 13/02
(continued)

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