

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; Stiletos

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 coacting 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