

**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 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