

**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 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