

**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 <a href="#">F41B 5/123</a> })
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 ( <a href="#">sighting devices for bows F41G 1/467</a> )
F41B 5/1403	.. { Details of bows; camera's on bows <a href="#">F41B 5/1492</a> }
F41B 5/1407	... { Bow-string silencing devices}
F41B 5/1411	... { Bow-strings}
F41B 5/1415	.... { Nocking points}
F41B 5/1419	.... { String mounted peep sights ( <a href="#">sights mounted on the bow itself F41G 1/467</a> )}
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 ( <a href="#">F41B 5/1473 takes precedence</a> )}
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}
<b>F41B 6/00</b>	<b>Electromagnetic launchers;</b> {Plasma-actuated launchers ( <a href="#">projectiles for electromagnetic or plasma guns F42B 6/006</a> )}
F41B 6/003	. {using at least one driving coil for accelerating the projectile, e.g. an annular coil}
F41B 6/006	. { Rail launchers}
<b>F41B 7/00</b>	<b>Spring guns</b> ({ <a href="#">F41J 9/18 takes precedence</a> ; catapults having a cocking device <a href="#">F41B 3/005</a> ; catapults <a href="#">F41B 3/02</a> ; <a href="#">throwing apparatus for boomerangs A63B 65/08</a> ; spring-loaded devices for projecting sporting balls <a href="#">A63B 69/407</a> })

- 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