

ECLA**EUROPEAN CLASSIFICATION****F41J**

TARGETS; TARGET RANGES; BULLET CATCHERS [N: (targets for shooting or hurling games [A63F9/02B](#))]

F41J1/00

Targets; Target stands; Target holders ([F41J2/00](#) to [F41J11/00](#) take precedence; targets combined with bullet catchers [F41J13/02](#)) [[C0901](#)]

F41J1/01

- Target discs characterised by their material, structure or surface, [N: e.g. clay pigeon targets characterised by their material] ([F41J5/044](#) takes precedence)

F41J1/08

- for ordnance, e.g. cannons; for attacking by aircraft; Full-scale models imitating target objects, e.g. tanks, aircraft

F41J1/10

- Target stands; Target holders

F41J2/00

Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic [N: or acoustic] waves

F41J2/02

- Active targets transmitting infra-red radiation

F41J3/00

Targets for arrows or darts, e.g. for sporting or amusement purposes [N: (targets for shooting or hurling games [A63F9/02B](#))]

F41J3/00A

- [N: Archery targets] [[N1204](#)]

F41J3/00D

- [N: Dartboards] [[N1204](#)]

F41J3/00D2

- [N: Dartboard holders] [[N1204](#)]

F41J3/00D2B

- [N: Stands or wall mountings especially adapted for dartboards] [[N1204](#)]

F41J3/00D2D

- [N: Holders especially adapted for rotating the dartboard during use] [[N1204](#)]

F41J3/00D2F

- [N: Dart cabinets, i.e. cabinets adapted for the dartboard or dartboard accessories] [[N1204](#)]

F41J3/00D4

- [N: Dartboards for use with safety darts] [[N1204](#)]

F41J3/00D4B

- [N: having a smooth surface especially for suction tips darts] [[N1204](#)]

F41J3/00D4D

- [N: having perforations for receiving blunt tip darts] [[N1204](#)]

F41J3/00D4F

- [N: having protrusions for receiving blunt tip darts in between] [[N1204](#)]

F41J3/00D4H

- [N: having a hook and loop surface for hook and loop tip darts] [[N1204](#)]

F41J3/00D4J

- [N: having a magnetic surface for receiving magnetic tip darts] [[N1204](#)]

F41J3/00D6

- [N: Target faces] [[N1204](#)]

F41J3/00D6B

- [N: Segmentation of conventional target faces] [[N1204](#)]

F41J3/00D6D

- [N: Non-conventional target faces] [[N1204](#)]

F41J3/00D6D2

- [N: Target faces simulating a different sport or game, e. g. football, billiard or rugby] [[N1204](#)]

F41J3/00D6F

- [N: characterised by the material] [[N1204](#)]

F41J3/00D6F2

- [N: made of natural fibres] [[N1204](#)]

- F41J3/00D6F4 [N: made of plastic or foam] [N1204]
- F41J3/00D8 . . [N: Manufacture of dartboards] [N1204]
- F41J3/02 . Indicators or score boards for arrow or dart games [N: ([F41J5/00](#) takes precedence; timetables, lists or forms for shooter enlistment [B42D15/00G](#))]
- F41J5/00** **Target indicating systems; Target-hit or score detecting systems** [N: (for shooting or hurling games [A63F9/02B](#); devices for measuring projectile velocity using optical means [G01P3/68B](#))] [C0403]
- F41J5/02 . Photo-electric hit-detector systems [N: (comprising a light-emitting device for simulating the firing of a gun [F41G3/26C1](#); detecting by optical means [G01V8/10](#))] [C0403]
- F41J5/04 . Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches
- F41J5/04F . . [N: Targets comprising two sets of electric contacts forming a coordinate system grid]
- F41J5/04G . . [N: Targets comprising a system of electric contacts lying in the same plane for bridging by hitting projectiles]
- F41J5/044 . . Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles
- F41J5/048 . . . one of the layers being in the form of discrete target sections
- F41J5/052 . . Targets comprising a plurality of electric contacts, each corresponding to a discrete target section and being actuated by the movement thereof ([F41J5/056](#) takes precedence)
- F41J5/056 . . Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers
- F41J5/06 . Acoustic hit-indicating systems, i.e. detecting of shock waves ([F41J5/056](#) takes precedence)
- F41J5/08 . Infra-red hit-indicating systems
- F41J5/10 . Cinematographic hit-indicating systems (cinematographic targets [F41J9/14](#))
- F41J5/12 . for indicating the distance by which a bullet misses the target ([F41J5/02](#) - [F41J5/10](#) takes precedence)
- F41J5/14 . Apparatus for signalling hits or scores to the shooter, e.g. manually operated, or for communication between target and shooter; Apparatus for recording hits or scores
- F41J5/16 . . Manually evaluating scores, e.g. using scoring plugs or gauges; Apparatus for evaluating scores on targets after removal from the target holder
- F41J5/18 . Targets having hit-indicating means actuated or moved mechanically when the target has been hit, e.g. discs or flags (the target as a whole disappearing or moving when hit [F41J7/04](#))
- F41J5/20 . . indicating which part of the target has been hit, i.e. the score
- F41J5/20B . . . [N: having target sections displaced or broken when hit e.g. for visual inspection]
- F41J5/22 . . the indicating means being a dispensing device

- F41J5/24 . Targets producing a particular effect when hit, e.g. detonation of pyrotechnic charge, bell ring, photograhp
- F41J5/26 . . exploding or disintegrating when hit ([F41J9/16](#) takes precedence)

F41J7/00 Movable targets which are stationary when fired at

- F41J7/02 . movable for checking
- F41J7/04 . disappearing [N: or moving] when hit [N: (exploding targets [F41J5/26](#); exploding clay-pigeon targets [F41J9/16B](#))]
- F41J7/06 . Bobbing targets, i.e. targets intermittently or unexpectedly appearing

F41J9/00 Moving targets, i.e. moving when fired at ([F41J2/00](#) takes precedence)

- F41J9/02 . Land-based targets [N: e.g. inflatable targets supported by fluid presssure]
- F41J9/04 . Seagoing targets
- F41J9/06 . . towed
- F41J9/08 . Airborne targets, e.g. drones, kites, balloons [N: (aircraft for towing targets [B64D3/02](#))]
- F41J9/10 . . towed
- F41J9/14 . Cinematographic targets, e.g. moving-picture targets [N: ([F41G3/26](#) takes precedence)]
- F41J9/16 . Clay-pigeon targets; Clay-disc targets [N: ([F41J1/01](#) takes precedence)]
- F41J9/16B . . [N: with hit-marking or tracer means]
- F41J9/18 . . Traps or throwing-apparatus therefor
- F41J9/20 . . . with spring-operated throwing arm
- F41J9/22 cocked by manual action
- F41J9/24 cocked by electromechanical means
- F41J9/26 . . . operated by fluid means
- F41J9/28 . . . operated by manual action
- F41J9/30 . . . characterised by using a magazine of targets
- F41J9/32 . . . characterised by means for obviating the anticipation of the flight path

F41J11/00 Target ranges [N: (timetables, lists or forms for shooter enlistment [B42D15/00G](#))] [N0901]

- F41J11/02 . Safety means therefor [N0901]

F41J13/00 Bullet catchers [N0901]

- F41J13/02 . combined with targets [N0901]