

CPC**COOPERATIVE PATENT CLASSIFICATION****F41J**

TARGETS; TARGET RANGES; BULLET CATCHERS {(targets for shooting or hurling games [A63F 9/0204](#))}

F41J 1/00

Targets; Target stands; Target holders ([F41J 2/00](#) to [F41J 11/00](#) take precedence; targets combined with bullet catchers [F41J 13/02](#))

F41J 1/01

- . Target discs characterised by their material, structure or surface, { e.g. clay pigeon targets characterised by their material } ([F41J 5/044](#) takes precedence)

F41J 1/08

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

F41J 1/10

- . Target stands; Target holders

F41J 2/00

Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic {or acoustic} waves

F41J 2/02

- . Active targets transmitting infra-red radiation

F41J 3/00

Targets for arrows or darts, e.g. for sporting or amusement purposes {(targets for shooting or hurling games [A63F 9/0204](#))}

F41J 3/0004

- . { Archery targets}

F41J 3/0009

- . { Dartboards}

F41J 3/0014

- .. { Dartboard holders}

F41J 3/0019

- ... { Stands or wall mountings especially adapted for dartboards}

F41J 3/0023

- ... { Holders especially adapted for rotating the dartboard during use}

F41J 3/0028

- ... { Dart cabinets, i.e. cabinets adapted for the dartboard or dartboard accessories}

F41J 3/0033

- .. { Dartboards for use with safety darts}

F41J 3/0038

- ... { having a smooth surface especially for suction tips darts}

F41J 3/0042

- ... { having perforations for receiving blunt tip darts}

F41J 3/0047

- ... { having protrusions for receiving blunt tip darts in between}

F41J 3/0052

- ... { having a hook and loop surface for hook and loop tip darts}

F41J 3/0057

- ... { having a magnetic surface for receiving magnetic tip darts}

F41J 3/0061

- .. { Target faces}

F41J 3/0066

- ... { Segmentation of conventional target faces}

F41J 3/0071

- ... { Non-conventional target faces}

F41J 3/0076

- { Target faces simulating a different sport or game, e. g. football, billiard or rugby}

F41J 3/008

- ... { characterised by the material}

F41J 3/0085

- { made of natural fibres}

F41J 3/009

- { made of plastic or foam}

F41J 3/0095

- .. { Manufacture of dartboards}

F41J 3/02

- . Indicators or score boards for arrow or dart games {([F41J 5/00](#) takes precedence; timetables, lists or forms for shooter enlistment [B42D 15/0066](#))}

F41J 5/00	Target indicating systems; Target-hit or score detecting systems {(for shooting or hurling games A63F 9/0204 ; devices for measuring projectile velocity using optical means G01P 3/685)}
F41J 5/02	. Photo-electric hit-detector systems {(comprising a light-emitting device for simulating the firing of a gun F41G 3/2622 ; detecting by optical means G01V 8/10)}
F41J 5/04	. Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches
F41J 5/041	.. {Targets comprising two sets of electric contacts forming a coordinate system grid}
F41J 5/042	.. {Targets comprising a system of electric contacts lying in the same plane for bridging by hitting projectiles}
F41J 5/044	.. Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles
F41J 5/048	... one of the layers being in the form of discrete target sections
F41J 5/052	.. Targets comprising a plurality of electric contacts, each corresponding to a discrete target section and being actuated by the movement thereof (F41J 5/056 takes precedence)
F41J 5/056	.. Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers
F41J 5/06	. Acoustic hit-indicating systems, i.e. detecting of shock waves (F41J 5/056 takes precedence)
F41J 5/08	. Infra-red hit-indicating systems
F41J 5/10	. Cinematographic hit-indicating systems (cinematographic targets F41J 9/14)
F41J 5/12	. for indicating the distance by which a bullet misses the target (F41J 5/02 - F41J 5/10 takes precedence)
F41J 5/14	. 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
F41J 5/16	.. Manually evaluating scores, e.g. using scoring plugs or gauges; Apparatus for evaluating scores on targets after removal from the target holder
F41J 5/18	. 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 F41J 7/04)
F41J 5/20	.. indicating which part of the target has been hit, i.e. the score
F41J 5/205	... {having target sections displaced or broken when hit e.g. for visual inspection}
F41J 5/22	.. the indicating means being a dispensing device
F41J 5/24	. Targets producing a particular effect when hit, e.g. detonation of pyrotechnic charge, bell ring, photograph
F41J 5/26	.. exploding or disintegrating when hit (F41J 9/16 takes precedence)
F41J 7/00	Movable targets which are stationary when fired at
F41J 7/02	. movable for checking
F41J 7/04	. disappearing {or moving} when hit {(exploding targets F41J 5/26 ; exploding clay-pigeon targets F41J 9/165)}
F41J 7/06	. Bobbing targets, i.e. targets intermittently or unexpectedly appearing
F41J 9/00	Moving targets, i.e. moving when fired at (F41J 2/00 takes precedence)

- F41J 9/02 . Land-based targets {e.g. inflatable targets supported by fluid pressure}
- F41J 9/04 . Seagoing targets
- F41J 9/06 . . towed
- F41J 9/08 . Airborne targets, e.g. drones, kites, balloons {(aircraft for towing targets [B64D 3/02](#))}
- F41J 9/10 . . towed
- F41J 9/14 . Cinematographic targets, e.g. moving-picture targets {(F41G 3/26 takes precedence)}
- F41J 9/16 . Clay-pigeon targets; Clay-disc targets {(F41J 1/01 takes precedence)}
- F41J 9/165 . . {with hit-marking or tracer means}
- F41J 9/18 . . Traps or throwing-apparatus therefor
- F41J 9/20 . . . with spring-operated throwing arm
- F41J 9/22 cocked by manual action
- F41J 9/24 cocked by electromechanical means
- F41J 9/26 . . . operated by fluid means
- F41J 9/28 . . . operated by manual action
- F41J 9/30 . . . characterised by using a magazine of targets
- F41J 9/32 . . . characterised by means for obviating the anticipation of the flight path

- F41J 11/00** **Target ranges** {(timetables, lists or forms for shooter enlistment [B42D 15/0066](#))}
- F41J 11/02 . Safety means therefor

- F41J 13/00** **Bullet catchers**
- F41J 13/02 . combined with targets