

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