

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