

SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F41 WEAPONS

F41J TARGETS; TARGET RANGES; BULLET CATCHERS

Subclass index

TARGETS

Stationary or movable.....	1/00, 7/00, 9/00
Reflecting or active.....	2/00
Specially adapted for arrows or darts.....	3/00
TARGET-HIT INDICATORS OR RECORDERS.....	5/00
TARGET STANDS; TARGET RANGES.....	1/00, 11/00
BULLET CATCHERS.....	13/00

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| <p>1/00</p> <p>1/01</p> <p>1/08</p> <p>1/10</p> <p>2/00</p> <p>2/02</p> <p>3/00</p> <p>3/02</p> <p>5/00</p> <p>5/02</p> <p>5/04</p> <p>5/044</p> <p>5/048</p> <p>5/052</p> <p>5/056</p> <p>5/06</p> <p>5/08</p> <p>5/10</p> | <p>Targets; Target stands; Target holders (F41J 2/00-F41J 11/00 take precedence; targets combined with bullet catchers F41J 13/02) [5]</p> <ul style="list-style-type: none"> • Target discs characterised by their material, structure or surface (F41J 5/044 takes precedence) [5] • for ordnance, e.g. cannons; for attacking by aircraft; Full-scale models imitating target objects, e.g. tanks, aircraft [5] • Target stands; Target holders <p>Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic waves [5]</p> <ul style="list-style-type: none"> • Active targets transmitting infra-red radiation [5] <p>Targets for arrows or darts, e.g. for sporting or amusement purposes</p> <ul style="list-style-type: none"> • Indicators or score boards for arrow or dart games <p>Target indicating systems; Target-hit or score detecting systems [5]</p> <ul style="list-style-type: none"> • Photo-electric hit-detector systems • Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches [5] • Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles [5] • one of the layers being in the form of discrete target sections [5] • 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) [5] • Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers [5] • Acoustic hit-indicating systems, i.e. detecting of shock waves (F41J 5/056 takes precedence) • Infra-red hit-indicating systems • Cinematographic hit-indicating systems (cinematographic targets F41J 9/14) | <p>5/12</p> <p>5/14</p> <p>5/16</p> <p>5/18</p> <p>5/20</p> <p>5/22</p> <p>5/24</p> <p>5/26</p> <p>7/00</p> <p>7/02</p> <p>7/04</p> <p>7/06</p> <p>9/00</p> <p>9/02</p> <p>9/04</p> <p>9/06</p> <p>9/08</p> <p>9/10</p> <p>9/14</p> <p>9/16</p> <p>9/18</p> <p>9/20</p> <p>9/22</p> | <ul style="list-style-type: none"> • for indicating the distance by which a bullet misses the target (F41J 5/02-F41J 5/10 take precedence) • 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 [5] • Manually evaluating scores, e.g. using scoring plugs or gauges; Apparatus for evaluating scores on targets after removal from the target holder [5] • 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) [5] • indicating which part of the target has been hit, i.e. the score [5] • the indicating means being a dispensing device [5] • Targets producing a particular effect when hit, e.g. detonation of pyrotechnic charge, bell ring, photograph [5] • exploding or disintegrating when hit (F41J 9/16 takes precedence) [5] <p>Movable targets which are stationary when fired at</p> <ul style="list-style-type: none"> • movable for checking • disappearing when hit • Bobbing targets, i.e. targets intermittently or unexpectedly appearing [5] <p>Moving targets, i.e. moving when fired at (F41J 2/00 takes precedence) [5]</p> <ul style="list-style-type: none"> • Land-based targets • Sea-going targets • towed • Airborne targets, e.g. drones, kites, balloons • towed • Cinematographic targets, e.g. moving-picture targets • Clay-pigeon targets; Clay-disc targets • Traps or throwing-apparatus therefor • with spring-operated throwing arm [3] • cocked by manual action [3] |
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F41J

- 9/24 • • • • cocked by electromechanical means [3]
- 9/26 • • • operated by fluid means [3]
- 9/28 • • • operated by manual action [3]
- 9/30 • • • characterised by using a magazine of targets [3]
- 9/32 • • • characterised by means for obviating the anticipation of the flight path [3]

- 11/00 **Target ranges [2009.01]**
- 11/02 • Safety means therefor [2009.01]
- 13/00 **Bullet catchers [2009.01]**
- 13/02 • combined with targets [2009.01]