

Title (en)

Device for radially securing a cartridge during the loading by the breech-block into the cartridge chamber of an artillery gun.

Title (de)

Vorrichtung zum radialen Sichern einer Patrone, welche durch einen Verschluss ins Waffenrohr eines Geschützes eingeschoben wird.

Title (fr)

Dispositif pour retenir radialement une cartouche pendant son chargement par la culasse dans la chambre d'un canon d'artillerie.

Publication

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Application

EP 87104413 A 19870325

Priority

CH 141786 A 19860410

Abstract (en)

1. Device for radially securing a cartridge (17) that is located behind the barrel (12) of an externally-powered multi-barrel gun, is loaded into the barrel (12) by a reciprocating breech (14), and has a cartridge case (23) with a cannellure (25), said device comprising the following ; - a gun casing (10) ; - at least one gunbarrel (12), rotatably mounted in the gun casing (10) ; - a reciprocating breech (14), which cooperates with the gunbarrel (12) to load the cartridge (17) into the barrel (12) ; - a breech head (31) at the front end of the breech (14) ; - an extractor dog (30) on the breech head (31), said dog engaging with the cannellure (25) of the cartridge case (23) and preventing the cartridge (17) from slipping radially from the breech (14) in one direction ; - a tracer finger (27), located diametrically opposite the extractor dog (30) and serving to ascertain whether a cartridge actually has been supplied to the barrel (12) ; - a guide, in which the tracer finger (27) is slidably mounted in the breech to be axially displaceable between a front and a rear position ; - a spring (38) which biases the tracer finger (27) and tries to hold it in its front most position ; - said tracer finger (27) can be displaced against the force of the spring (38) into its rear position when a cartridge (17) is present, the base of which strikes the tracer finger (27), characterized in that -the tracer finger (27) has an axially protruding safety cam (26) which laterally abuts the rim (45) of the cartridge base (20), in order to secure the cartridge against slipping out of the extractor lug (30) ; - a control bar (41) is fixed on the gun casing (10) and serves exclusively to push back the tracer finger (27) - when the cartridge (17) is fed in front of the barrel's breech closure.

Abstract (de)

Beim Einschieben einer Patrone (17) ins Waffenrohr (12) einer Feuerwaffe (9) durch den vor- und zurück verschiebbaren Verschluss (14), stösst eine vordere Stirnfläche (21) gegen den Boden (20) der Patrone (17). Damit die einzuschiebende Patrone (17) beim Einschieben nicht von der Stirnfläche (21) des Verschlusses (14) abgleiten kann, muss sie gesichert werden. Diese Sicherung wird dadurch erreicht, dass die Patrone (17) einerseits durch die Ausziehklau oder Ausziehkralle (30) und diagonal gegenüber durch einen Sicherungsnocken (26) an einem Taststift (27) gegen radiale Verschiebung gehalten wird. Zum Auswerfen der leeren Patronenhülse (23) und beim Einschieben der nächsten Patrone (17) wird der Taststift (27) mit dem Sicherungsnocken (26) durch eine Steuerschiene (41) zurückgeschoben.

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Citation (search report)

- [X] DE 2937860 A1 19800417 - GEN ELECTRIC
- [A] US 1783577 A 19301202 - GIUSEPPE MASCARUCCI
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- [AD] EP 0111240 A2 19840620 - OERLIKON BUEHRLE AG [CH]

Cited by

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