Claims

1. An ejector (1) for a firearm, comprising

an ejector main body (5) having an ejector element (46) disposed thereon, such that the ejector element (46), after mounting the ejector (1) on the receiver (3) of the firearm

- extends into the movement path of a forward and backward running breechblock (71) that is guided in the receiver (3) such that it can move longitudinally,
- forms a counter bearing for the casing base (61) of a cartridge casing (59) extracted by the returning breechblock (71) from the cartridge chamber, and
- ejects and/or discards the cartridge casing (59) from the receiver (3) after interacting with the casing base (61),

wherein

the ejector (1) comprises additional means (7a, b, 9a, b, 11a, b, 13a, b), by means of which the ejector element (46) is flexibly supported in relation to the receiver (3) such that it returns slightly in a straight line together with the casing base (61) as a result of an interaction with said casing base, until the ejector is slowed to a standstill, and ejects/discards the cartridge casing (59) thereby

characterized in that

the ejector element (46) comprises a basically cuboid guide and impact recess (47) on its end protruding into the movement path (3) of the breechblock, which extends backward, toward the returning cartridge casing (69), and as a result, has at least one guide and impact surface (51) running in this direction, for the cartridge casing (59) that is to be ejected~~.~~,

an ejector main body (5) of which is designed in the manner of a U, and which can be disposed in or on the receiver (3), transverse to the direction of firing, with a connecting part (44) that connects its two U-legs (45a, b) in the manner of a bridge, and which extends thereby over the width of the receiver, while its two U-legs (45a, b) extend toward the rear in the longitudinal direction of the receiver.

2. The ejector according to Claim 1, the means (7a, b, 9a, b, 11a, b, 13a, b) of which for a flexible support of the ejector element (46) include at least one elastic element (7a, b) that can be secured in or on the receiver (3).

3. The ejector according to Claim 2, the elastic element (7a, b) of which is a spring, in particular a spiral spring.

4. The ejector (1) according to Claim 2 or 3, the means (7a, b, 9a, b, 11a, b, 13a, b) of which for the flexible support of the ejector element (46) comprise at least one accommodating recess (11a, b) in the ejector main body (5) for guiding and accommodating the at least one elastic element (7a, b).

5. The ejector (1) according to one of the Claims 2 to 4, the means (7a, b, 9a, b, 11a, b, 13a, b) of which comprise at least one accommodating and guide element (9a, b) that can be secured on the receiver (3) for a supplementary accommodation and guidance of the at least one elastic element (7a, b).

6. The ejector (1) according to one of the Claims 2 to 5, comprising at least one securing element (19a, b), which retains and secures the elastic element (7a, b) in a pretensioned state.

7. The ejector (1) according to Claim 6, on the ejector main body (5) of which, at least one contact and/or guide surface (53a, b) is provided, for the contact and/or guidance thereof on the at least one securing element (19a, b).

~~8. The ejector (1) according to one of the preceding Claims, the ejector main body (5) of which is designed in the manner of a U, and which can be disposed in or on the receiver (3), transverse to the direction of firing, with a connecting part (44) that connects its two U-legs (45a, b) in the manner of a bridge, and which extends thereby over the width of the receiver, while its two U-legs (45a, b) extend toward the rear in the longitudinal direction of the receiver.~~

~~9.~~8. The ejector (1) according to Claim ~~8~~1, the U-legs (45a, b) of which each comprise guide surfaces (55a, b) for guiding the ejector main body (5) in or on the receiver (3).

~~10.~~9. The ejector (1) according to Claim ~~9~~8, having at least one recess (57a, b) in each of the guide surfaces (55a, b).

~~11.~~ 10. The ejector (1) according to one of the Claims 2 to ~~10~~9, having two elastic elements (7a, b) disposed symmetrically to one another, each having associated accommodating and guide recesses (1 la, b) in the two U-legs (45a, b) of the ejector main body (5) and having accommodating and guide elements (9a, b) that can be secured on the receiver (3).

~~12.~~11. The ejector (1) according to one of the preceding Claims, the at least one guide and impact surface (51) of which. runs toward the rear and is slanted downward thereby, and/or has a guide channel that is at least nearly complementary to the casing base (61).

~~13.~~12. The ejector (1) according to one of the preceding Claims, the guide and impact recess (47) of which has at least one vertical guide and impact surface (49) for the casing base (61) of the cartridge casing (59) that is to be ejected.

~~14.~~13. A receiver (3) comprising:

a breechblock guided in the receiver (3) such that it can move longitudinally, and

an ejector (1) according to one of the preceding Claims.

~~15.~~14. The receiver (3) according to Claim ~~14~~13, comprising at least one recess (27a, b) that is complementary to the ejector main body (5), for the accommodation and longitudinal movement guidance thereof.

~~16.~~15. The receiver (3) according to Claim ~~15~~14, comprising at least one recess (63a, b) for accommodating and guiding the at least one accommodation and guide element (9a, b), wherein

the recess (63a, b) is flush with the recess (27a, b) for accommodating the ejector main body (5), and is designed such that it is complementary to the accommodation and guide element (9a, b).

~~17.~~ 16. The receiver (3) according to Claim ~~15~~14 or ~~16~~15, comprising at least two recesses (27a, b) that are formed symmetrical to one another in the receiver (3), for accommodating, in each case, one of two accommodating and guide elements (9a, b).

~~18.~~17. The receiver (3) according to one of the Claims ~~14~~13 to ~~17~~16, in which a stabilizing element (15) is provided, for stabilizing the receiver (1), disposed transverse to the direction of firing.

~~19.~~18. The receiver (3) according to Claim ~~18~~17, the stabilizing element (15) of which is secured and/or is aligned via at least one securing element (19a, b) on the receiver (1), and the securing element (19a, b) also simultaneously retains and secures the ejector main body (5) in the receiver (3) in a tensioned manner.

~~20.~~19. A firearm having an ejector (1) according to one of the Claims 1 to ~~13~~12 and/or a receiver (3) according to one of the Claims ~~14~~13 to ~~19~~18.