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(54) **CAGE-TYPE INTERVERTEBRAL IMPLANT**

(52) **U.S. Cl. .... 623/17.16**

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(57) **ABSTRACT**

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The invention relates to a cage-type intervertebral implant that is made up of a dished side wall (1), a cambered side wall (2), a front part (3), a rear part (4) and at least one intermediate wall (5, 6), thus comprising at least two cavities (7, 8, 9). An upper and a lower cage surface (10, 11) include a first lordosis angle ( $\alpha_1$ ) in the direction front part-rear part and a second lordosis angle ( $\alpha_2$ ) perpendicular thereto, said cage surfaces (10, 11) intersecting outside the cage. The cage structure is characterized by a doubler-wedge geometry (double-wedge-shaped cage) that is defined by the two lordosis angles ( $\alpha_1$ ) and ( $\alpha_2$ ) and that advantageously adapts itself to the anatomical conditions in the intervertebral area. The cage is further characterized by a high moment of tilt that effectively counteracts a tipping of the cage. The method used for producing the cage structure is essentially characterized by working the cage material by means of a high-pressure water jet, said cold-cutting technique having proved to be the most economical.

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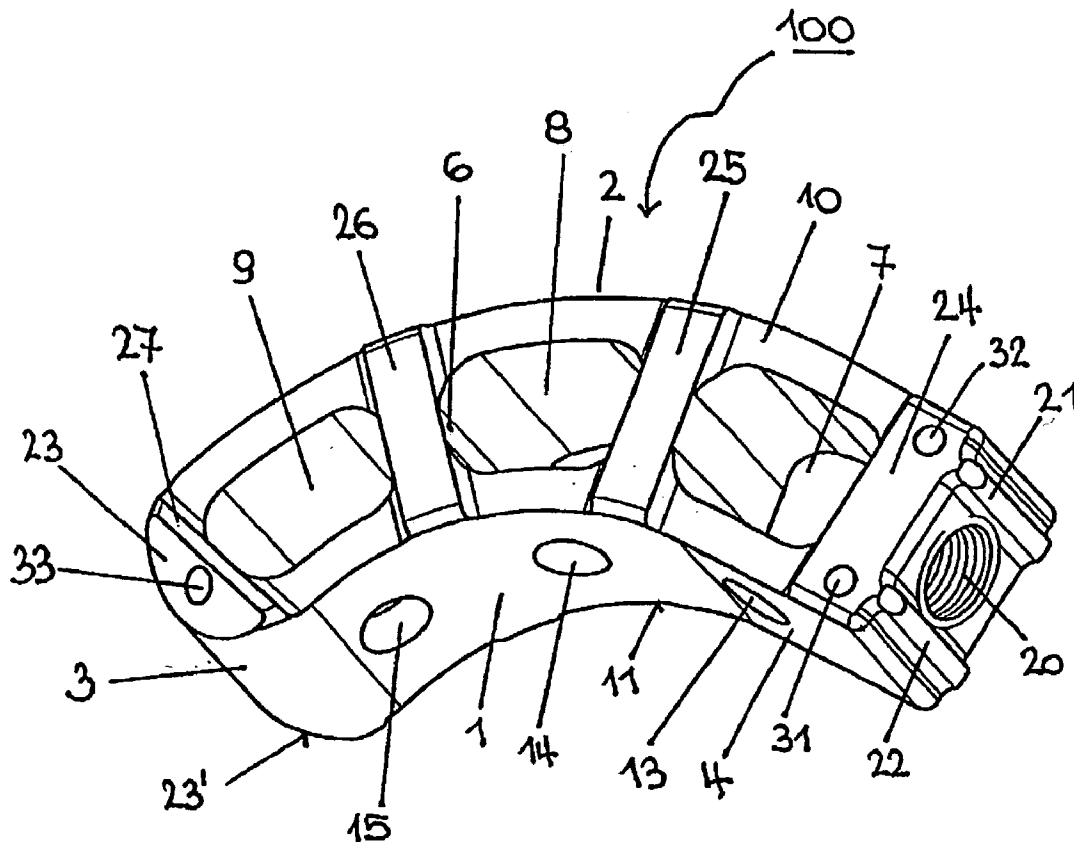
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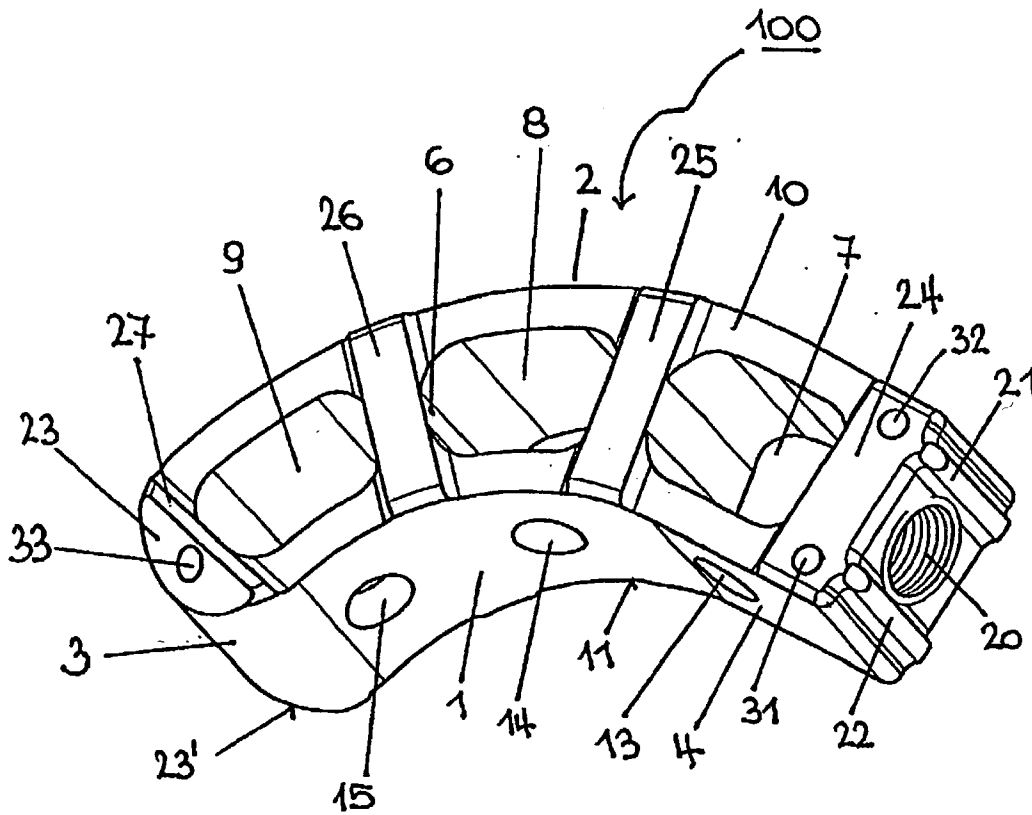


Fig. 1

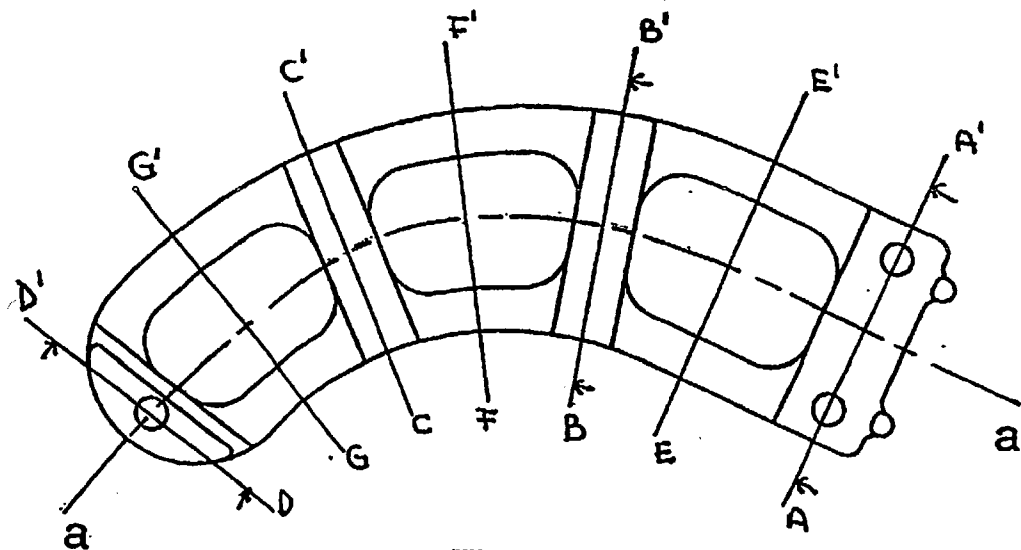


Fig. 2

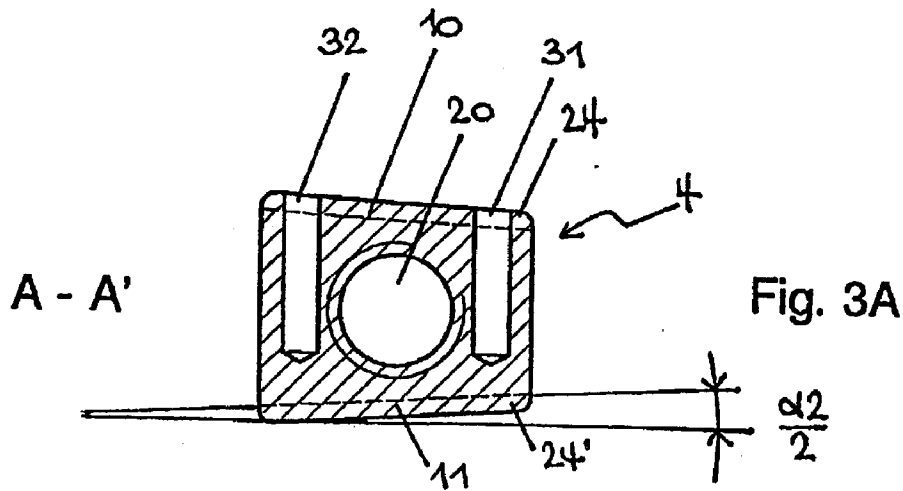


Fig. 3A

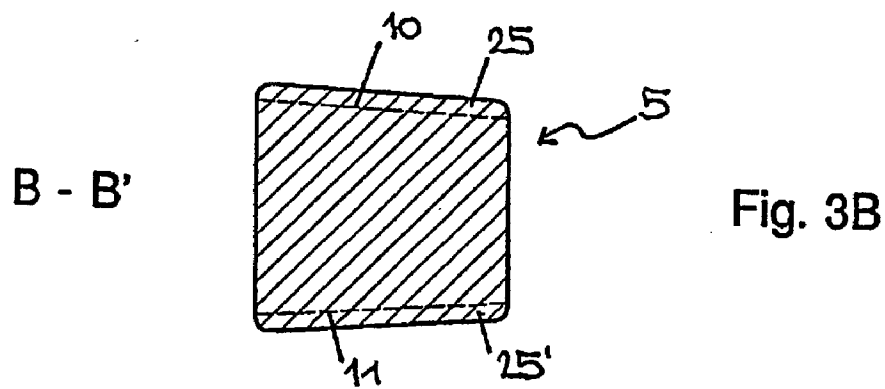


Fig. 3B

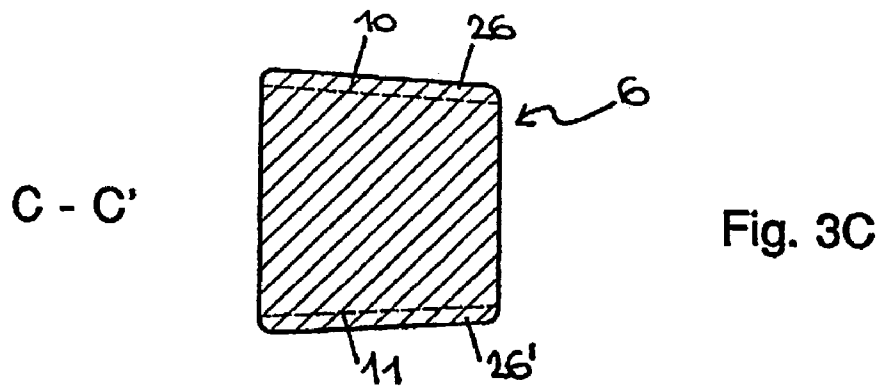


Fig. 3C

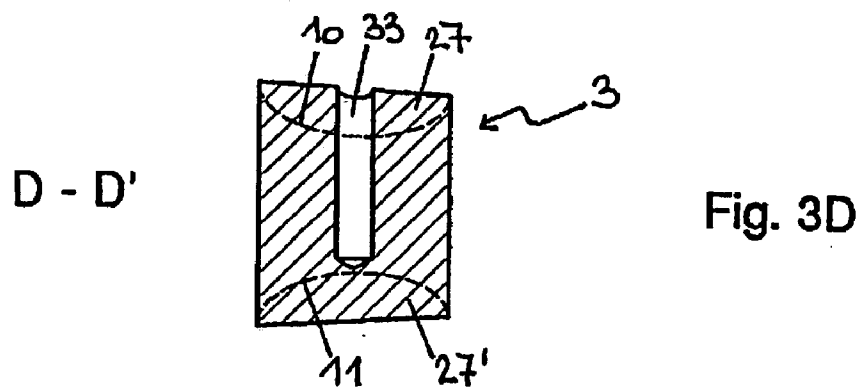
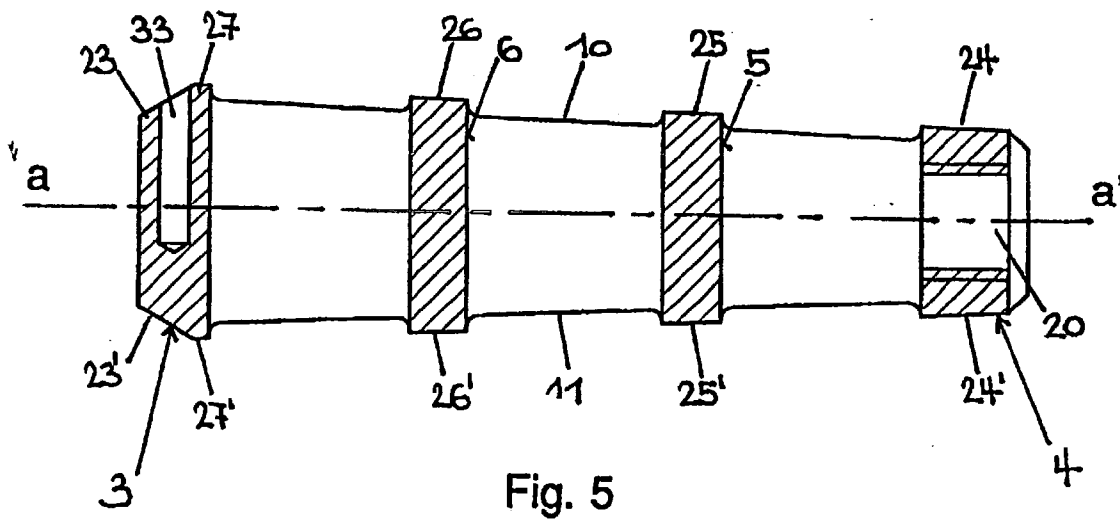
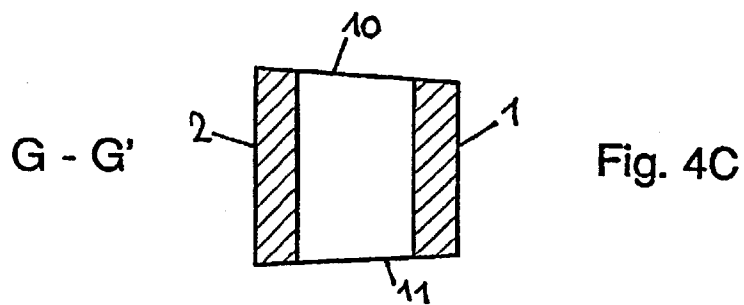
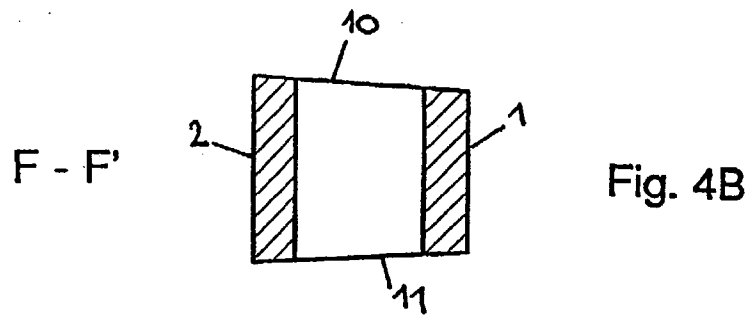
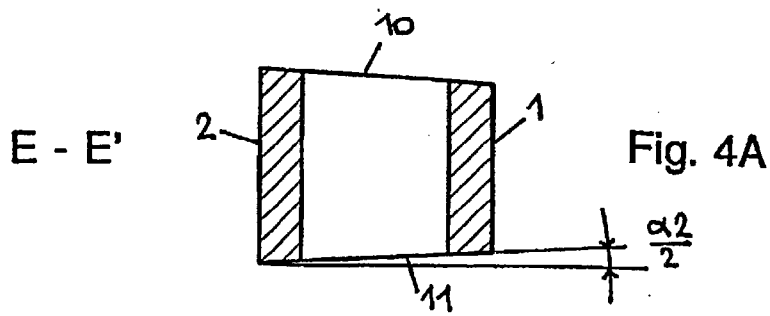


Fig. 3D



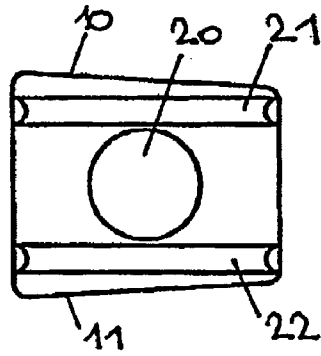


Fig. 6A

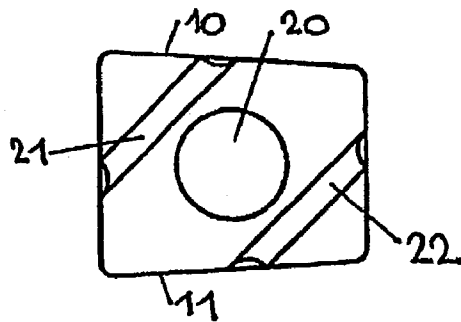


Fig. 6B

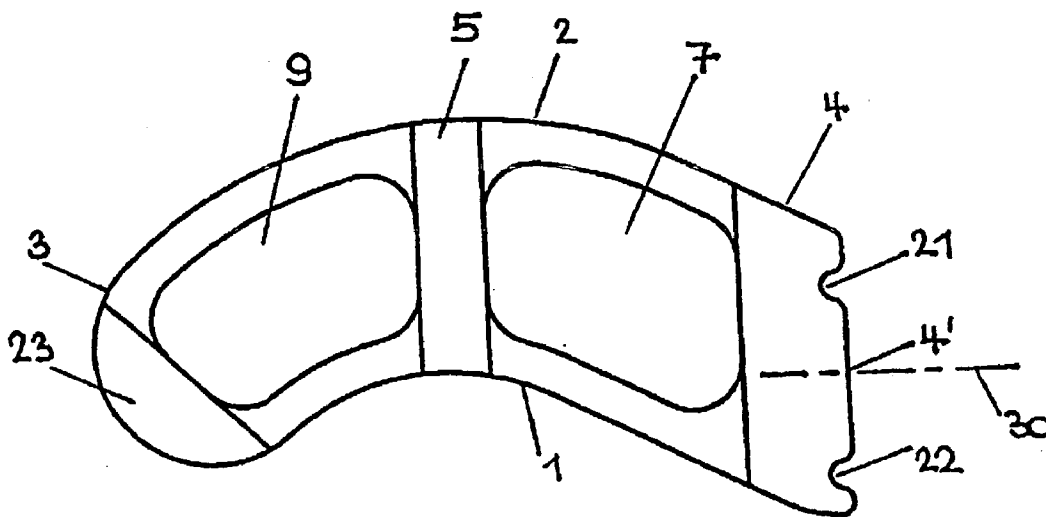


Fig. 7

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