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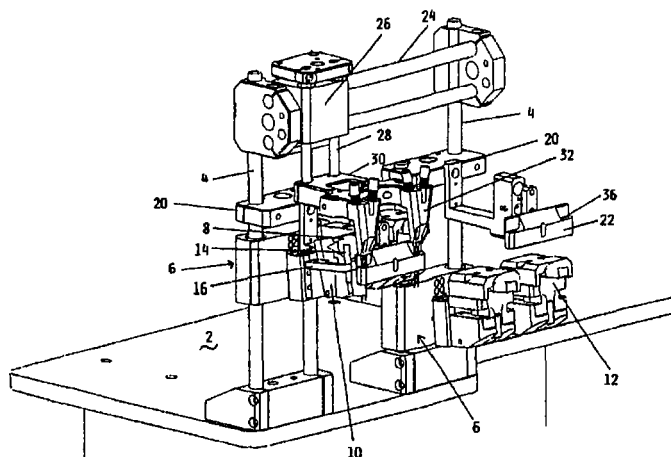
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(4) Title: **AUTOMATIC MACHINE FOR VACCINATING CHICKS AND SIMILAR BIRDS**



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(57) Abstract: An automatic machine for the multiple vaccination of chicks and similar birds, characterised by comprising at least one pair of side-by-side holders (10), each arranged to receive a chick (8) to be vaccinated, each holder comprising: a seat (12) into which the head of the chick (8) to be vaccinated is manually inserted, means (14) for automatically locking the chick's head inserted into said seat (12), a presser (22) acting on the chick to stabilize that neck portion into which the injection is to be effected, means for vertically moving, relative to said presser member, said seat (12) in which the head of the chick is inserted and locked, means for automatically operating said presser (22) on termination of said relative movement, at least one needle (24) mounted on a member (30) movable relative to the stabilized chick between said seat (12) and said presser (22), for its insertion into the chick's neck below the skin, and means for returning said needle (34), said presser (22) and said locking means (14) after the injection has been effected, to enable the chick (8) to fall spontaneously onto an underlying collection means.



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