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⑦① Applicant: **Drori, Michael, Mobile Post, Kibbutz Hagoshrim Upper Galil (IL)**

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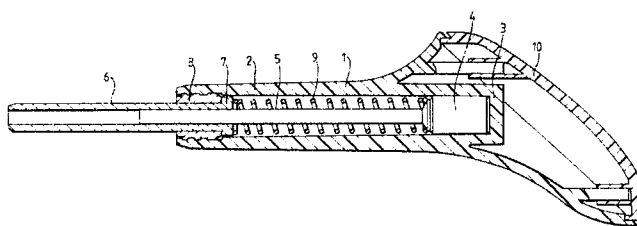
⑦② Inventor: **Drori, Michael, Mobile Post, Kibbutz Hagoshrim Upper Galil (IL)**

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⑦④ Representative: **Weickmann, Heinrich, Dipl.-Ing. et al, Patentanwälte Dipl.-Ing. H. Weickmann Dipl.-Phys.Dr. K. Fincke Dipl.-Ing. F.A. Weickmann Dipl.-Chem. B. Huber Dr.-Ing. H. Liska Möhlstrasse 22, D-8000 München 86 (DE)**

⑤④ **A nail driver.**

⑤⑦ A nail driver of simple construction having a magnet in the interior of a housing and cover which constitutes the handle and a soft steel rod attached to said magnet and extending into a tubular bushing which is adapted to slide in a barrel-like extension and projects beyond it, the bushing being urged into projected position by a spring, so that where a nail is inserted head first into the bushing and the free end of the latter is placed against the place where the nail is to be driven, the force on the handle will retract the bushing into said extension so that the nail will become exposed to be driven home.



The present invention concerns a nail driver of the kind including a magnet by which small nails, which can be handled only with great difficulty, are held while being driven home or are being inserted into a place destined for them to be driven home by a hammer.

The known nail drivers used for this purpose are expensive to manufacture since in addition to the magnet, the means which hold the nail is also a magnet. Furthermore, the construction of the mechanism for holding the nail and driving it home is complicated.

It is an object of the present invention to provide a nail driver which is simple and inexpensive in construction.

The invention consists in a nail driver comprising a housing which constitutes the handle and is of non-magnetic material, a magnet being provided in said housing, a soft steel rod being connected to said magnet and extending into a tubular non-magnetic bushing which is adapted to slide in a barrel-like extension of the housing and projects with its open end beyond it, said bushing being urged into projected position by a spring.

The invention is illustrated by way of example only in accompanying drawings which shows the nail driver according to the invention in longitudinal section.

The nail driver here illustrated comprises a housing (1) made of non-magnetic material, preferably plastics, which is integrally moulded with a cylindrical barrel-like extension 2. This extension merges within the housing into a cup-like seat 3. A magnet 4 is housed in seat 3,

a soft steel rod 5 being attached to the magnet, preferably by welding and extending axially within barrel 2. Rod 5 engages a tubular bushing 6, provided with a flange 7, the free end of the bushing projecting
5 beyond barrel 2. The bushing 6 is held within the barrel 2 by means of an annular plug 8 against which flange 7 abuts and is slidable within housing 1 against the action of a helical spring 9 lodged between flange 7 and magnet 4 around rod 5.

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A cover 10 is provided for the housing at its inner end. The housing and cover are so designated that they fit comfortably within the palm of a hand and permit the fingers of the hand to envelop them.

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A nail to be driven home or to be inserted partially into the place destined for it, is inserted into bushing 6 where it is held by the magnetic rod 5. The outer end of bushing 6 is applied to the place where
20 the nail is to be driven and when pressure is applied on housing 1 and cover 10, the barrel 2 is pushed towards said place against the action of spring 8 whereby bushing 6 is retracted into barrel 2 and rod 5 with the nail is pushed towards the outer end
25 of bushing 6 to be driven home.

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Claims:

1. A nail driver comprising a housing which constitutes the handle and is of non-magnetic material, a magnet being provided in said housing, a soft steel rod being connected to said magnet and extending into a
5 tubular non-magnetic bushing which is adapted to slide in a barrel-like extension of the housing and project with its open end beyond it, said bushing being urged into projected position by a spring.

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