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D. H. JORDAN
MAGNETIC TOOL DEVICE

3,228,720

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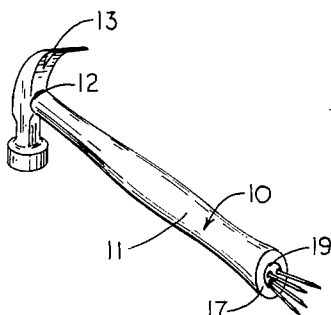


Fig. 1

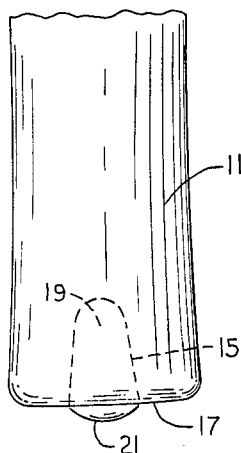


Fig. 2

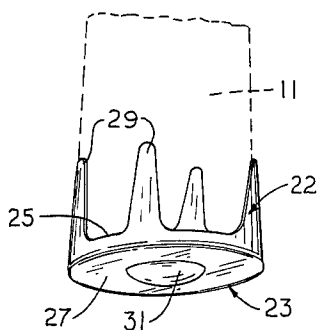


Fig. 3

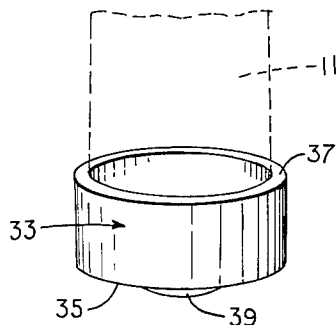


Fig. 4

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MAGNETIC TOOL DEVICE

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1 Claim. (Cl. 294—65.5)

This invention relates to a magnetic tool device and more particularly to a hammer device having a magnet mounted on its lower end.

Carpenters frequently wear nail aprons around their waists during nailing operations. It is quite inconvenient to constantly reach into the apron for nails. In fact, it is sometimes impossible to do so if the carpenter is holding the object to be nailed with one hand and the hammer with his other hand.

Therefore, a principal object of this invention is to provide a hammer device which will conveniently maintain thereon a quantity of nails.

A further object of this invention is to provide a hammer device which conveniently extracts nails from a nail apron.

A further object of this invention is to provide a hammer device which maintains the nails thereon during the actual nailing operation.

A further object of this invention is to provide a hammer device which will maintain thereon a quantity of metal objects.

A further object of this invention is to provide a hammer device which is economical of manufacture, durable in use and refined in appearance.

These and other objects will be apparent to those skilled in the art.

This invention consists in the construction, arrangements, and combination of the various parts of the device, whereby the objects contemplated are attained as herein-after more fully set forth, specifically pointed out in the claim, and illustrated in the accompanying drawings, in which:

FIG. 1 is a perspective view of a hammer having a magnet secured to its lower end;

FIG. 2 is a fragmentary side elevational view of the device seen in FIG. 1 at an enlarged scale;

FIG. 3 is a perspective view of an embodiment of the device; and

FIG. 4 is a perspective view of an embodiment of the device.

The numeral 10 generally designates a hammer having an elongated handle member 11 and a head member 13 mounted on the upper end 12 of handle member 11. Head 13 is constructed of metal while handle member 11 may be constructed of wood, plastic, or other suitable material. An elongated bore 15 extends inwardly into lower end 17 of handle member 11 substantially parallel to the longitudinal axis thereof. A magnet 19 is mounted in bore 15 as illustrated in FIGS. 1 and 2, and is maintained therein by means of glue or the like. It will be noted that magnet 19 has its outer end 21 partially protruding from lower end 17.

FIG. 3 illustrates an embodiment of the device wherein the numeral 22 generally represents a clasp means. Clasp means 22 is comprised of a base member 23 having an upper surface 25 and lower surface 27. Extending upwardly from upper surface 25 at the periphery thereof is a plurality of arm members 29. A magnet 31 is secured to lower surface 27 by means of glue or the like. Base

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member 23 and arm members 29 are constructed of a semi flexible material such as plastic or the like. It will be noted that arm members 29 are adapted to engage the outer surface of handle member 11 when handle member 11 is received therebetween.

FIG. 4 illustrates an additional embodiment of the device wherein the numeral 33 represents a cup means. Cup means 33 is constructed of plastic, rubber or the like and is comprised of a base member 35 having an upstanding flange 37 secured to base member 35 at the periphery thereof. A magnet 39 is secured to the outside surface of base member 35 by glue or the like. It will be noted that flange 37 is adapted to engage the outer surface of handle member 11.

The normal method of operation is as follows. One of the three embodiments will be incorporated with a hammer 10. Magnet 19, which is illustrated in FIGS. 1 and 2, may either be inserted during the manufacture of the handle member 11 or installed into an existing handle member by drilling bore 15 and inserting and gluing the same therein. The embodiment illustrated in FIG. 3 is of the detachable type. Clasp means 22 may simply be mounted on the lower end of handle member 11 as illustrated and will so remain due to the frictional engagement of the semi flexible arm members 29 and handle member 11.

The embodiment illustrated in FIG. 4 is also detachably mounted on the lower end of handle 11 as was clasp means 22. Clasp means 22 will be held on handle member 11 by the frictional engagement of the same flexible flange 37 and handle member 11.

Irrespective of which embodiment is used the device will be used in the same general manner. A carpenter usually carries his nails in a nail apron which is secured around his waist. Whenever the carpenter desires to extract nails from the apron he simply extends the lower end 17 of handle member 11 downwardly into the apron pouch. The magnet on the lower end of handle member 11 will attract a plurality of nails and consequently as handle 11 is withdrawn from the apron the nails will also be removed. The carpenter may then proceed with the nailing operation without the necessity of constantly reaching downwardly into the nail apron for nails.

It should be noted that nails will not become dislodged from the magnet during the nailing operation.

Because the nails are held on the handle member 11 the nails will be conveniently available to the carpenter even if one of his hands is needed to hold the object to be nailed.

Therefore it can be seen that the device accomplishes at least all of its stated objectives.

Some changes may be made in the construction and arrangement of my magnetic tool device without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claim, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

In a magnetic tool device,
an elongated wooden handle portion having opposite ends,
one of said opposite ends of said handle portion having a substantially flat surface being in a plane transverse to the longitudinal axis of said handle portion,

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the other opposite end of said handle portion adapted to receive a hammer head, said handle portion having an elongated tapered bore extending thereinto from said one opposite end through said flat surface, an elongated magnet of a shape corresponding to said bore mounted in said bore and having inner and outer ends, and a bonding means securing said magnet in said bore, said outer end of said magnet protruding outwardly of said flat surface at all times, said outer end of said magnet having a surface of generally semi-spherical shape, whereby nails may be conveniently held thereby in diverging relation.

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References Cited by the Examiner

UNITED STATES PATENTS

1,441,903	1/1923	Balazuik.
1,718,161	6/1929	Lutch.
2,217,514	10/1940	Henry.
2,385,859	10/1945	Jacobson ----- 294—65.5 X

OTHER REFERENCES

Popular Science, May 1949, p. 215.

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MILTON S. MEHR, *Examiner*.

R. V. PARKER, JR., *Assistant Examiner*.