Sept. 17, 1974 J. LITZ Re. 28,159

NAIL PLACING IMPLEMENT

Original Filed March 17, 1971

FIG. 1

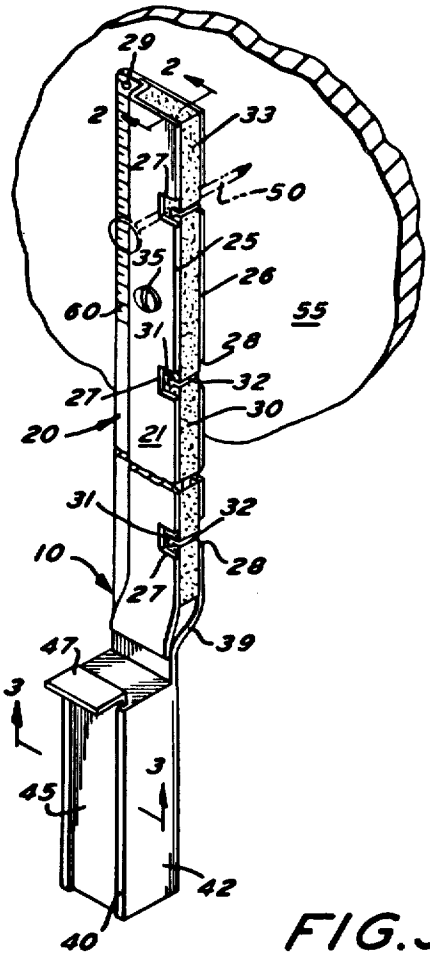


FIG. 2

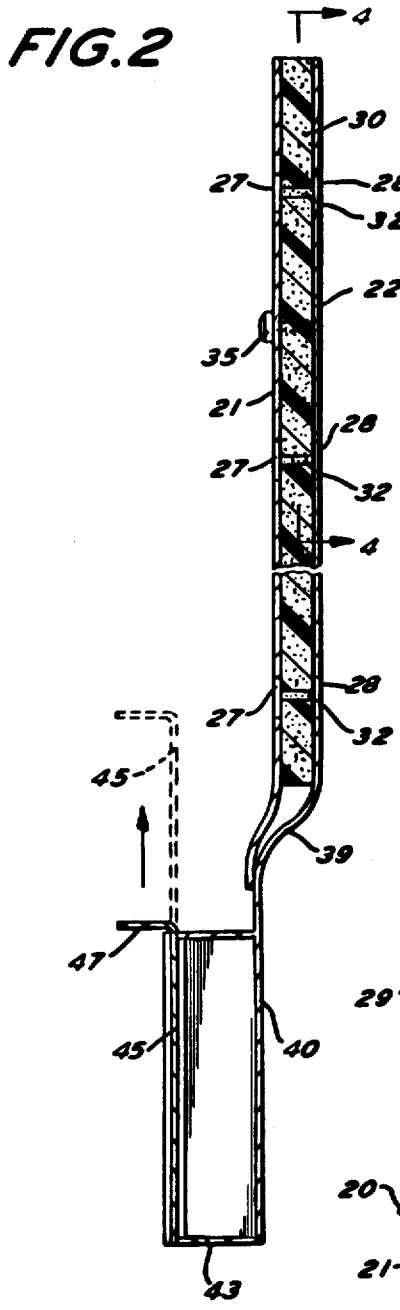
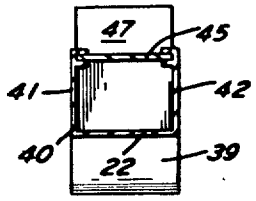


FIG. 3



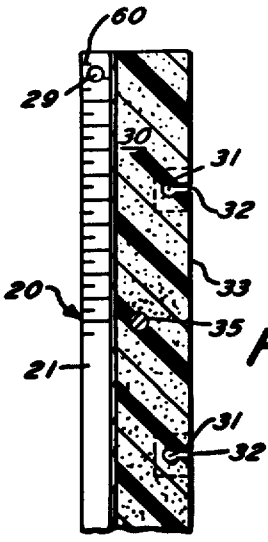


FIG. 4

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NAIL PLACING IMPLEMENT

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Int. Cl. B25c *3/00*

U.S. Cl. 145—46 7 Claims

Matter enclosed in heavy brackets [ ] appears in the original patent but forms no part of this reissue specification; matter printed in italics indicates the additions made by reissue.

ABSTRACT OF THE DISCLOSURE

A nail placing implement is disclosed which is U-shaped in cross section and having a straight edge provided with notches.

This invention relates generally to a nail placing implement and in particular, to an implement for the placement of a plurality of nails at desired spaced intervals.

In the past, carpenters have commonly placed nails by means of their fingers and have depended upon their eye judgment for spacing thereof. The fingers are in danger of being hit by the hammer, particularly when nailing in an awkward position. Furthermore, the spacing of nails tends to be irregular.

Therefore, to overcome the foregoing and other difficulties of the prior art, the general object of this invention is to provide for new and better placement of nails.

It is an object of this invention to provide an implement for placement of nails which eliminates the danger of hitting the fingers with a hammer.

Another object is the provision of an implement for the placement of nails at spaced regular intervals.

A further object of this invention is the provision of an implement for placement of nails at awkard positions.

A further object is to provide a nail placing implement which is economical to produce and which utilizes conventional, currently available components that lend themselves to standard mass production manufacturing techniques.

Other objects will appear hereinafter.

For the purpose of illustrating the invention, there is shown in the drawings a form which is presently preferred; it being understood, however, that this invention is not limited to the precise arrangements and instrumentalities shown.

Other objects and a fuller understanding of the invention may be had by referring to the following description and claims, taken in conjunction with the accompanying drawings in which:

FIG. 1 is a perspective view showing a nail placing implement.

FIG. 2 is an enlarged cross-sectional view of FIG. 1, taken in the direction of lines 2—2.

FIG. 3 is a cross-sectional view of FIG. 1 taken in the direction of the lines 3—3.

FIB. 4 is a partial cross section of FIG. 2 taken along lines 4—4.

Referring to the drawings in detail, wherein like numerals indicate like elements, there is shown in FIG. 1 a drawing of the nail placing implement of the present invention designated generally as **10**. The implement has an elongated holder portion **20** formed by the flat elongated U-shaped cross section shown. The side-walls **21** and **22** of the U-shape are aligned to provide a pair of straight edges **25** and **26**, respectively, along the side of

holder **20** opposite the closed end of the U-shape. A plurality of notches are provided at straight edges **25**, **26** in aligned pairs **27**, **28**, as shown.

An elongated member **30** of a resilient material, such as a sponge or foam rubber, is provided between the inside and outside walls **21** and **22** with a front edge between the straight edges **25**, **26**. A plurality of holes **31** is provided through the resilient member **30** at each of the aligned notches **27**, **28**. The holes **31** are of a size accommodating a variety of nail sizes since member **30** is of a resilient material. Removal slots **32** are provided between each of the holes **31** and the edge **33**. The screw **35** is utilized to tighten the inside and outside walls **21**, **22** together and affixing the member **30** therebetween. Alternatively, edges **25** and **26** may be crimped to accomplish this function. A hole at **29** through the holder **20** and the resilient member **30** may be utilized for hanging the implement **10**.

A handle **40** is provided at one end of the implement **10** as shown. The handle **40** is formed by an extension **39** of the outside wall **22** bent in or slightly beyond the plane of the inside wall **21**, as can be best visualized in FIG. 2. The inside wall **21** terminates at the beginning of the handle **40**. By providing the displacement between the planes of handle **40** and the outside wall **22**, it is possible to hold the flat outside wall **22** against a flat surface section **55** for the placement of a nail therein with finger space between said planes. The handle **40** has a container formed by sides **41**, **42** and **43**. A sliding cover **45** encloses the open end of the container. A thumb tab **47** is an extension of the cover **45** which may be utilized in conjunction with the thumb of the hand holding handle **40** to slide open the cover **45**.

Nails within the holes **31** on the implement **10** will be at standard spaced regular intervals. Graduations **60** may be inscribed as shown along a flattened edge of the inside wall **21**. In this manner, nails may be spaced regularly at desired spacing intervals. A supply of nails may be kept within the container on handle **40** and are readily available by sliding open the cover **45** by means of thumb tab **47** without moving implement **10** with respect to the section **55**. Nails are placed within the holder **10** and the outside wall **22** is held flat against the surface section **55**. The nails may then be driven in a normal manner with a hammer. As soon as nails are partially driven into surface section **55**, implement **10** may be moved to the left in FIG. 1 to permit the nail shank to pass through slots **32**. Thereafter, the nails may be driven home. Holder portion **20** is preferably made from sheet metal but may be made from a polymeric resin.

The present invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof and, accordingly, reference should be made to the appended claims, rather than to the foregoing specification as indicating the scope of the invention.

I claim:

1. A nail placing implement comprising an elongated holder having a configuration of U-shaped cross section, an elongated member of resilient material affixed on said holder within said U-shaped cross section; said member having a straight edge and a plurality of holes therethrough for a plurality of nails and a removal slot between each of said holes and said edge, said holes and slots being at spaced intervals along said edge; said holder having peripheral notches exposing said holes and and slots, and a handle at one end of said holder adapted for holding said holder against a surface for a desired placement of said nails thereat.

2. A nail placing implement comprising an elongated U-shaped holder having an outside wall and an inside wall both aligned in substantially parallel relationship,

said holder having a pair of aligned straight edges at said outside and inside walls, said straight edges including a plurality of aligned notches thereat in spaced intervals, a layer of resilient material affixed between said outside and inside walls, said layer having an edge adjacent said straight edges and a plurality of holes therethrough and removal slots between each of said holes and said edge, said holes and slots being aligned with said notches, and a handle at one end of said holder, said handle being at a position displaced from said outside wall toward said inside wall whereby said holder may be held with said outside wall against a surface for a desired placement of nails thereat.

3. A nail placing implement in accordance with claim 2 wherein said handle is an extension of said outside wall, the plane of said handle being offset from the plane of said outside wall to provide finger space.

4. A nail placing implement in accordance with claim 3 wherein said handle includes a container having a removable cover for storage of nails therein.

5. A nail placing implement in accordance with claim 1 including graduations applied to said holder along a straight edge which is parallel to said straight edge on said member.

6. A nail placing implement comprising an elongated holder having an outside wall and an inside wall aligned in substantially parallel relationship and connected together to define U-shaped cavity, said walls having side edges, a layer of resilient material secured in said cavity between said walls and having a portion exposed at said edges graduations on an exposed surface of said inside wall, said graduations being arranged perpendicular to the side edge of said inside wall, said layer of resilient material having slits in said exposed portion at spaced points therealong, said slits extending from a side edge of said material generally perpendicular to said side edges, and a handle connected to an end portion of one of said walls, said handle having a grip portion displaced from the plane of said outside wall in a direction toward said inside wall whereby the handle may be gripped with the outside wall against a surface for desired placement of nails thereat.

7. A nail placing implement in accordance with claim 6 wherein said handle includes a container having a slidable cover.

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