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1,546,296

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SETTING TOOL FOR CORRUGATED FASTENERS

Filed Dec. 16, 1924

Fig. 1,

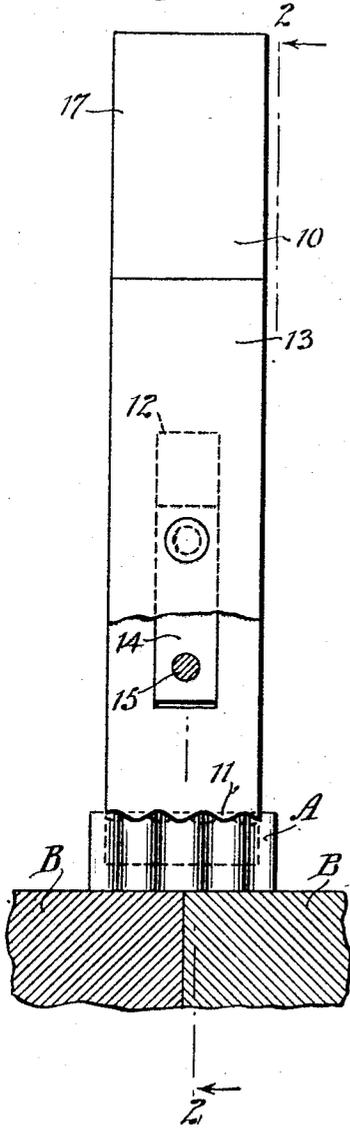


Fig. 2,

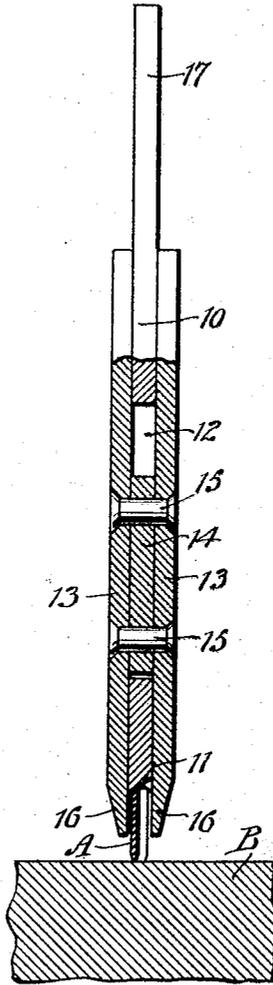


Fig. 3,

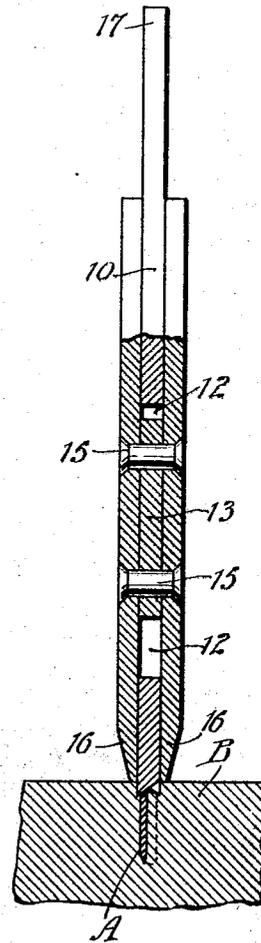
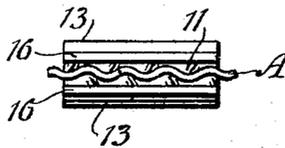


Fig. A.



WITNESSES

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UNITED STATES PATENT OFFICE.

AUGUST ALEXANDER LUNDEEN, OF LYNBROOK, NEW YORK.

SETTING TOOL FOR CORRUGATED FASTENERS.

Application filed December 16, 1924. Serial No. 756,360.

To all whom it may concern:

Be it known that I, AUGUST ALEXANDER LUNDEEN, a citizen of the United States of America, and resident of Lynbrook, in the county of Nassau and State of New York, have invented a new and Improved Setting Tool for Corrugated Fasteners, of which the following is a full, clear, and exact description.

This invention has relation to tools and has particular reference to a tool for facilitating the driving and setting of corrugated fasteners.

Heretofore when corrugated fasteners are employed as a means for fastening together several pieces of wood or other material and it has been found expedient to set the fastener so that its edge is below the surface of the pieces of material, no convenient means has been provided for this purpose and the use of an ordinary nail set has been found to be wholly inadequate in that it mars the wood or other material and frequently results in breakage of the fastener.

The present invention broadly comprehends a tool for setting the fastener below the surface, which tool is provided with an end presenting in effect a sinuous groove conforming to the driving end of the fastener and adapted to so engage therewith as to prevent accidental displacement of the tool from the fastener when driving and setting the same.

The invention further contemplates a tool of the character set forth which is preferably provided with a handle associated therewith in such a manner as to permit of relative movement of the tool through the handle during the guiding and setting operation and in which the tool is normally retractible to form projecting guide flanges disposed on opposite sides of the fasteners when initially placed in contact with the head of the tool.

The invention furthermore resides in the provision of a tool which is magnetized to retain the fastener in proper position with relation thereto until the driving and setting action has been completed.

As a still further object the invention provides a tool of the character set forth which is comparatively simple in its construction, inexpensive to manufacture and produce and which is thoroughly reliable and highly efficient in its purpose.

With the above recited and other objects

in view, the invention resides in the novel construction set forth in the following specification, particularly pointed out in the appended claims and illustrated in the accompanying drawings, it being understood that the right is reserved to embodiments other than those actually illustrated herein, to the full extent indicated by the general meaning of the terms in which the claims are expressed.

In the drawings—

Figure 1 is a side view of a tool constructed in accordance with the invention, with parts broken away and shown in section and illustrating the use of the tool.

Fig. 2 is a vertical transverse section therethrough taken approximately on the line indicated at 2—2 in Fig. 1 and illustrating the initial operation of the tool for driving a fastener in place.

Fig. 3 is a similar view illustrating the tool and the position of its parts when setting the fastener.

Fig. 4 is a bottom plan view of the tool with a fastener associated therewith.

Referring to the drawings by characters of reference the tool includes a blade 10 preferably constructed of steel or any other suitable material which is capable of being magnetized whereby the same will set up a magnetic force. The said blade is preferably in the nature of an elongated flat bar formed at its lower end in such a manner as to present a substantially sinuous recess 11 conforming to the sinuous shape of the standard corrugated fasteners one of which is designated by the reference character A in the drawings. In the preferred embodiment of the invention the blade is provided with a longitudinal slot 12 and is slidable between a pair of plates 13 constituting a handle for the tool and which plates are spaced by a spacer element 14 through which the rivets 15 are passed. The spacer plate 14 is of a width to snugly fit within the slot 12 in the blade and of sufficient length to permit of the retraction of the recessed end 11 of the tool within the lower ends 16 of the handle plates and the projection of said recessed end 11 slightly beyond the ends 16 of the handle plates. The upper driving end 17 of the plate is extended a substantial distance beyond the upper ends of the handle plates. The handle plates 13 and spacer plate 14 are preferably of a material which will not in any

way detract from the magnetic action of the blade 10.

In use and operation of the device when it is desired to drive a corrugated fastener the grooved end 11 of the blade 10 of the tool is retracted to the full extent and the fastener is placed between the projecting ends 16 of the handle plates with its butt engaged within the sinuous recess 11. The operator then grasps the handle and proceeds in the usual manner to drive the sharpened end of the fastener into the pieces B of the material which are to be joined together. When the butt edge of the fastener is flush with the upper edge of the pieces of material to be connected by the fastener, the recessed end 11 is projected from the end of the handle and driven into the material until the fastener is set below the surface.

From the foregoing it will thus be seen that a tool has been provided for facilitating the driving and setting of corrugated fasteners, which tool is extremely simple and inexpensive to produce.

I claim:

1. A tool for driving and setting corrugated fasteners comprising a blade hav-

ing a sinuous recess at one end for receiving and embracing a portion of the butt of the fastener and providing a driving portion at the opposite end. 30

2. A tool for driving and setting corrugated fasteners comprising a blade having a sinuous recess at one end for receiving and embracing a portion of the butt of the fastener and providing a driving portion at the opposite end and a handle with which the tool is associated for relative movement. 35

3. A tool for driving and setting corrugated fasteners comprising a blade having a sinuous recess at one end for receiving and embracing a portion of the butt of the fastener and providing a driving portion at the opposite end, and a handle with which the tool is associated for relative movement, the said handle having means of connection with the tool blade to permit of the retraction of the recessed end of said blade within the end of the handle and the projection of said recessed end therefrom whereby to initially receive and hold, and subsequently guide the fastener in a straight line in prolongation of the blade. 40 45 50

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