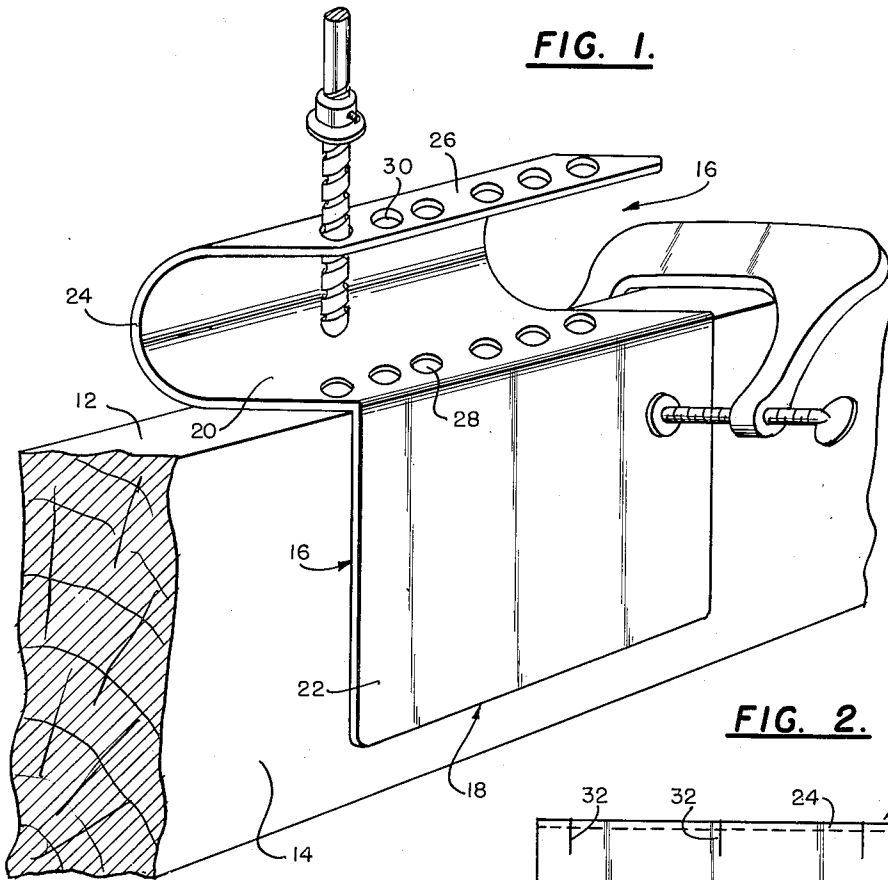


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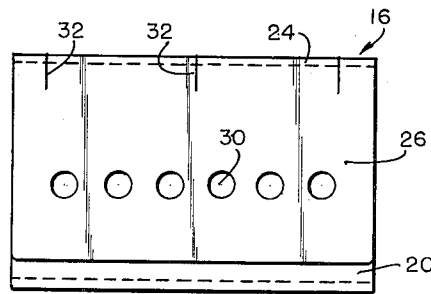
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DOWEL AND MORTISING JIG  
Filed May 11, 1960

2,987,944

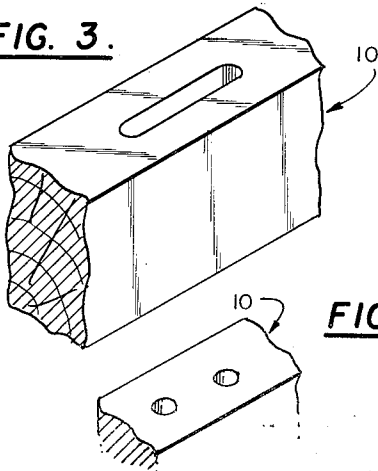


**FIG. 1.**

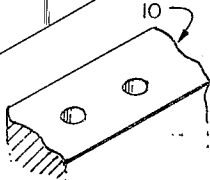
**FIG. 2.**



**FIG. 3.**



**FIG. 4.**



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**DOWEL AND MORTISING JIG**

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2 Claims. (Cl. 77-62)

The present invention relates generally to a carpenter's tools and in particular to a dowel and mortise jig.

The laying out of mortise lines on a work piece and the proper positioning of dowel pins with respect to each other in a work piece is generally time consuming and wasteful of labor. Any error made in marking or drilling a work piece for a mortise or dowel pins results in the expenditure of extra time and labor to correct the error.

An object of the present invention is to provide a dowel and mortise jig which enables a user to lay out mortise lines on a work piece and to drill accurate dowel pin holes in a work piece with ease and facility.

Another object is to provide a dowel and mortise jig which is simple in structure, foolproof in operation, and one which can be produced in quantity at reasonable cost.

These objects and advantages of the invention will be fully understood from the following description when considered with the attached drawings, in which:

FIGURE 1 is an isometric view of the jig of the present invention, shown on a work piece,

FIGURE 2 is a top plan view,

FIGURE 3 is an isometric view of the work piece as mortised, using the jig of the present invention, and

FIGURE 4 is an isometric view of the work piece drilled for dowel pins, using the present invention.

Referring in detail to the drawing in which like numerals indicate like parts throughout the several views, in FIGURE 1 the reference numeral 10 designates a work piece, such as a door, having an edge face 12 and an adjoining face 14.

The jig of the present invention is designated by the numeral 16 and it consists in an L-shaped support member 18 having a short leg 20 and a long leg 22.

A vertically disposed arcuately shaped standard 24 extends longitudinally along the free end of the support member short leg 20 and has its lower end fixedly secured to the support member 18.

A horizontally disposed plate element 26 is arranged in superimposed spaced relation with respect to the short leg 20 and has one end fixedly secured to the upper end of the standard 24.

The short leg 20 is provided with guide holes 28 each adapted to receive therethrough a drilling bit or other

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tool. The plate element 24 is provided with a hole 30 in registry with each hole 28 in the short leg 20.

As shown in FIGURE 2, the convex face of the standard 24 is provided with inscribed lines 32 constituting mortise marking indicia.

In use, the jig is positioned so that the short leg 20 rests upon the edge face 12 of the work piece 10, with the long leg 22 abutting the adjoining face 14. A drill or other tool may be inserted through any selected pair of registering holes 28 and 30 for drilling a dowel hole, as in FIGURE 4, in the work piece or performing another operation, such as marking for a woodscrew.

Another use is to employ the mortise making indicia lines 32 and registering holes to lay out the length of a mortise cut and drill the same, as shown in FIGURE 3.

What is claimed is:

1. A dowel and mortise jig comprising an L-shaped support member adapted to have the short leg thereof rest upon the edge face of a work piece to be treated with the long leg abutting an adjoining face, a vertically disposed arcuately curved standard extending along the free end of the short leg of said support member and having the lower end fixedly secured to said short leg, a horizontally disposed plate element arranged in superimposed spaced relation with respect to said short leg and having one end fixedly secured to the upper end of said standard, said support member being provided with a plurality of spaced guide holes extending therealong, said plate element having a hole in registry with each hole in said support member short leg, each pair of registering holes being adapted to receive therethrough a work piece treating tool.

2. A dowel and mortise jig comprising an L-shaped support member adapted to have the short leg thereof rest upon the edge face of a work piece to be treated with the long leg abutting an adjoining face, a vertically disposed arcuately curved standard extending along the free end of the short leg of said support member and having the lower end fixedly secured to said short leg, a horizontally disposed plate element arranged in superimposed spaced relation with respect to said short leg and having one end fixedly secured to the upper end of said standard, said support member being provided with a plurality of spaced guide holes extending therealong, said plate element having a hole in registry with each hole in said support member short leg, each pair of registering holes being adapted to receive therethrough a work piece treating tool, and mortise marking indicia on the convex face of said standard.

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