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(54) **DOOR JALMB JIGS**

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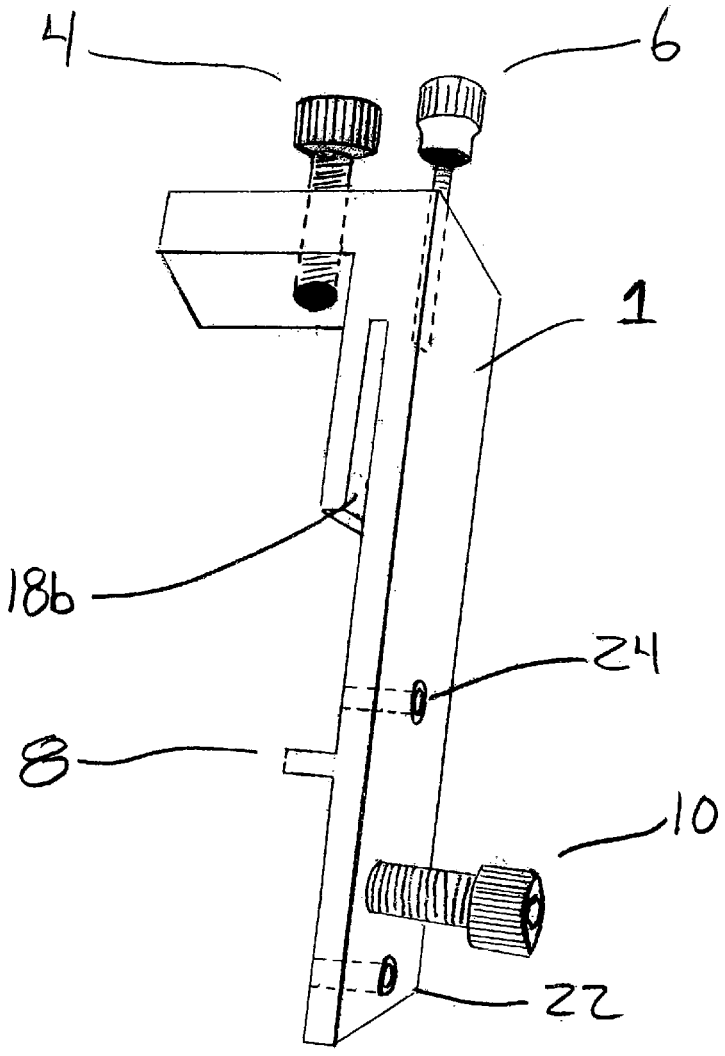
(57) **ABSTRACT**

The current invention comprises a set of Door Jamb Jigs designed to enable the user to temporarily hold a carpenters level, a carpenters square, and a door jamb firmly within the rough opening of a framed wall so that the door jamb can be permanently nailed in place pre-squared, pre-leveled, and pre-plumb. The current invention utilizes universally designed Jigs that enable users to utilize their own conventional carpenters square and carpenters level combined with the Door Jamb Jigs to practice a new method of installing pre-hung interior doors much easer, faster and more accurately compared to the conventional practice of holding tools by hand. The current invention solves problems during the Pre-hung door jamb installation process. #**1** The invention enables the user to temporarily attach both a 90 degree carpenters square and a carpenters level to the door jamb so when the door panel is reattached to the jamb the clearance between the door panel and the door jamb is equal and parallel all around. #**2** By using this method of pre-squaring the head of the jamb in relation to the hinge side of the jamb, and pre-straightening the hinge side of the jamb with the carpenters level attached to the jamb pre-plumb the user can accurately determine how much shimming is required to allow for twisted framing lumber. Thus eliminating jamb torque, and bound hinges. #**3** By adjusting the standoff screws the jamb be positioned flush with the finished wall.



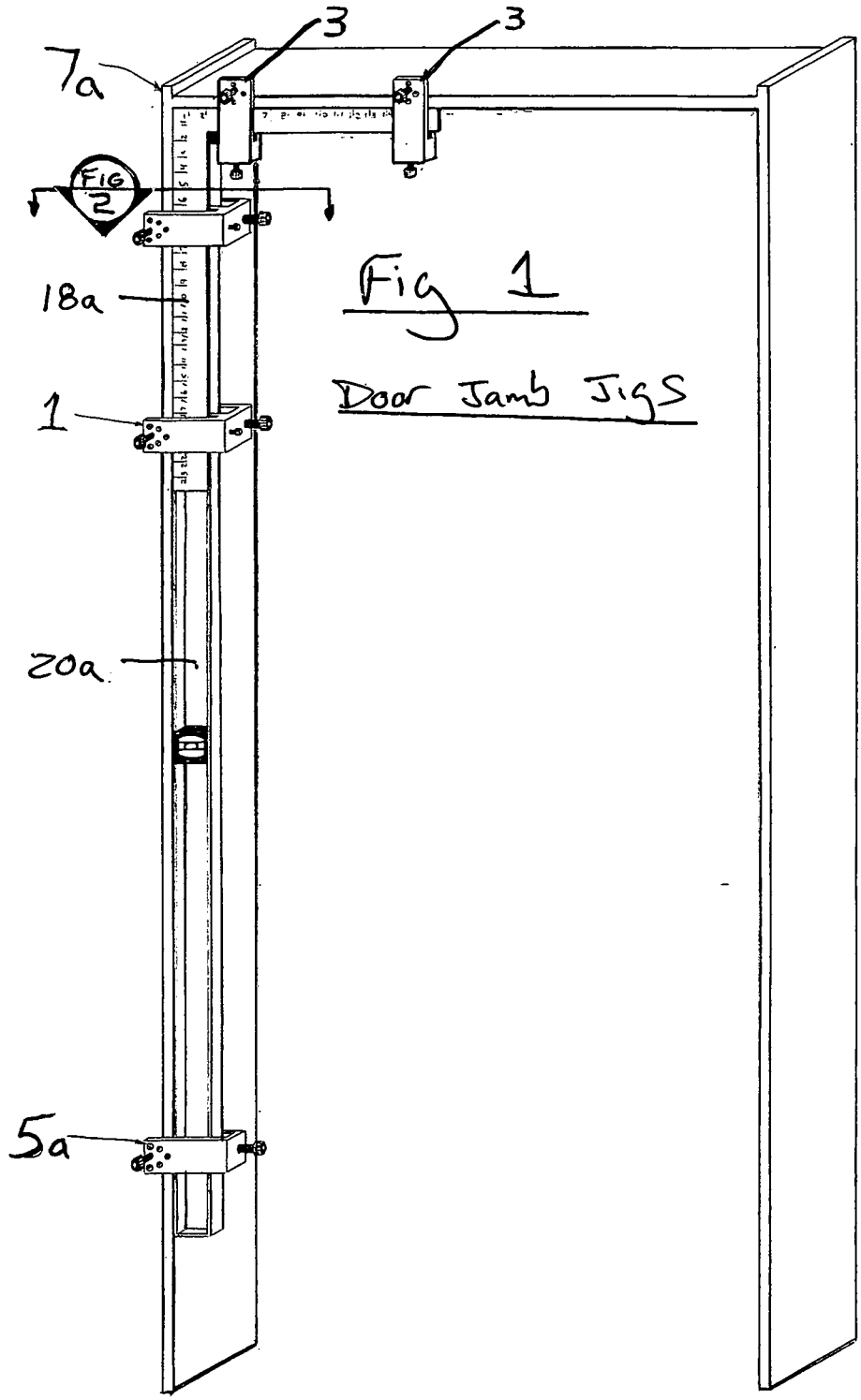


Fig 1

Door Jamb Jigs

Figure 2

Door Jamb Jigs

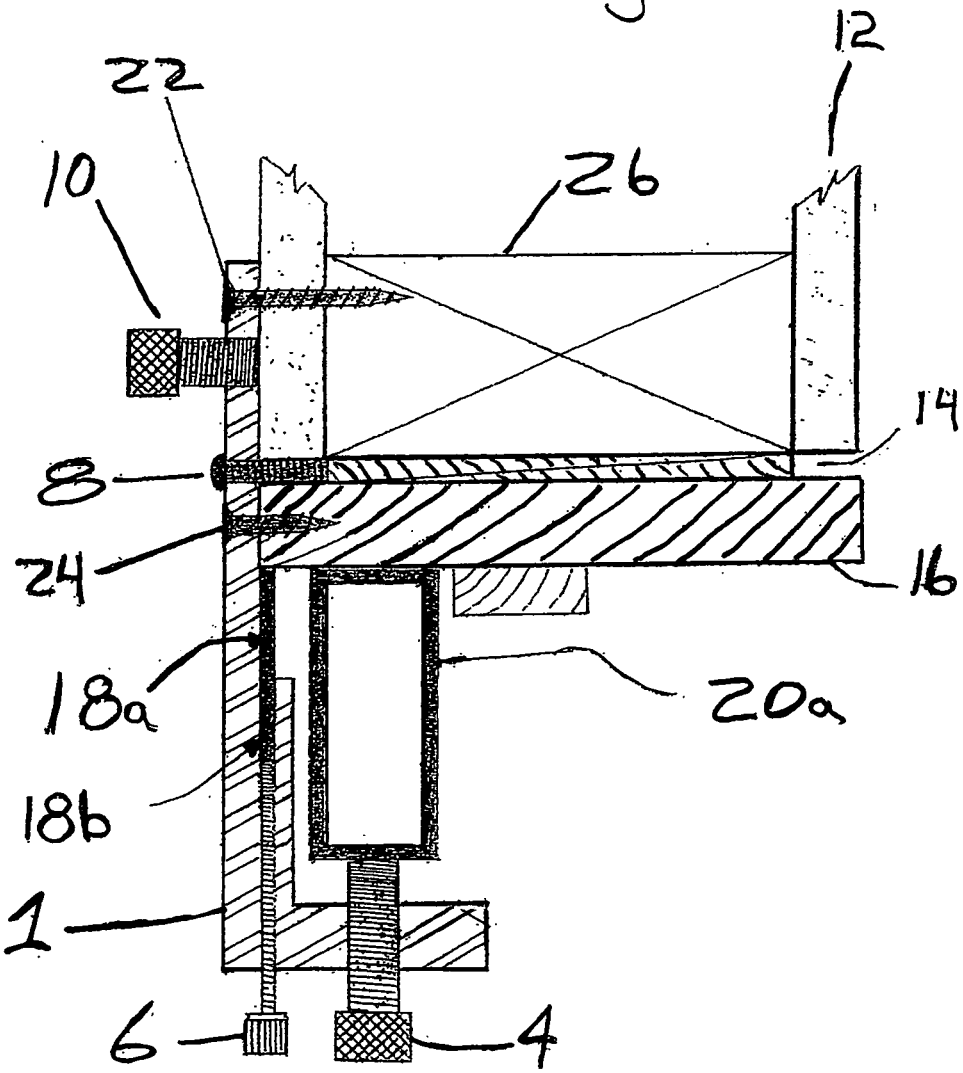


Figure 3

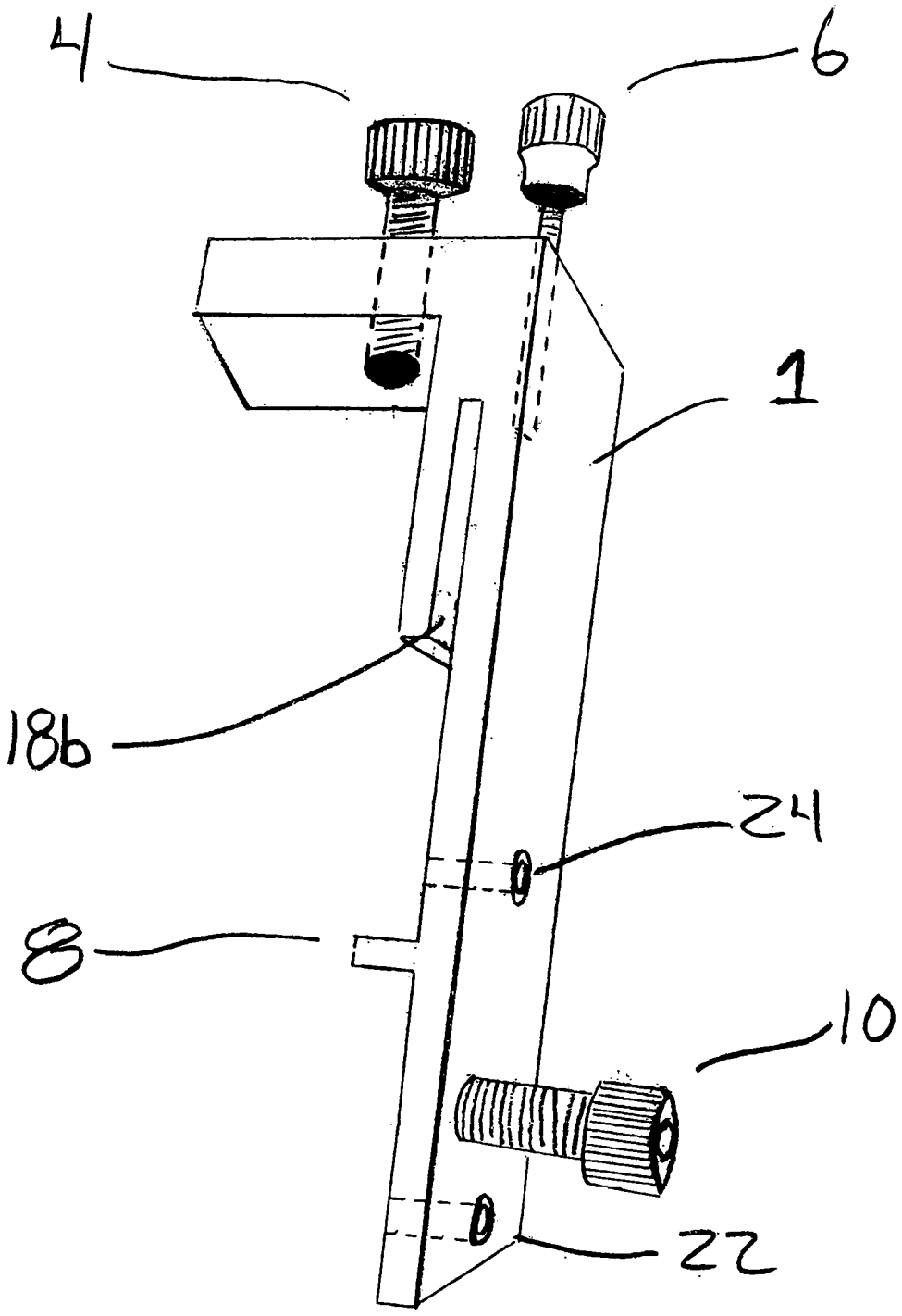


Figure 4

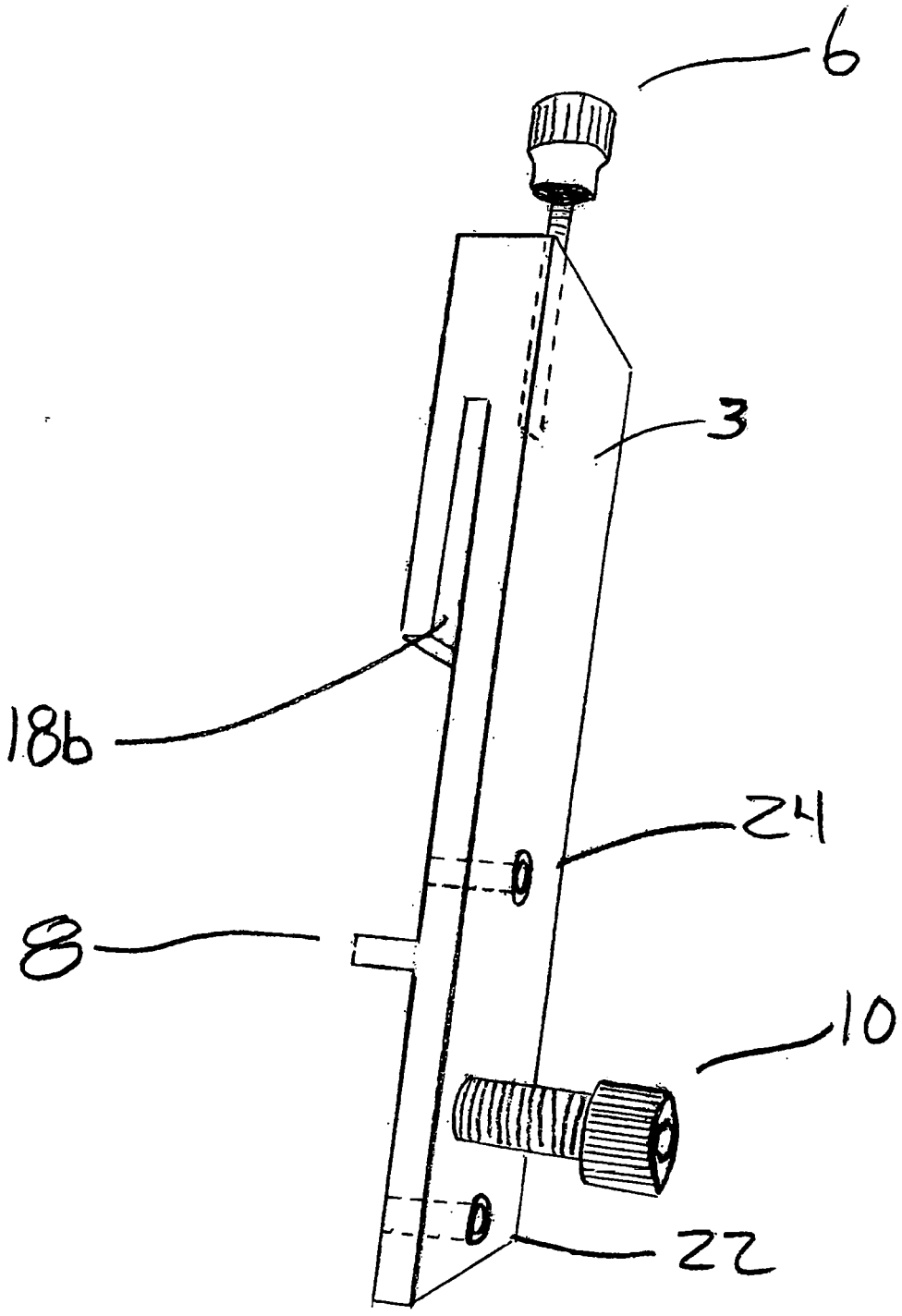
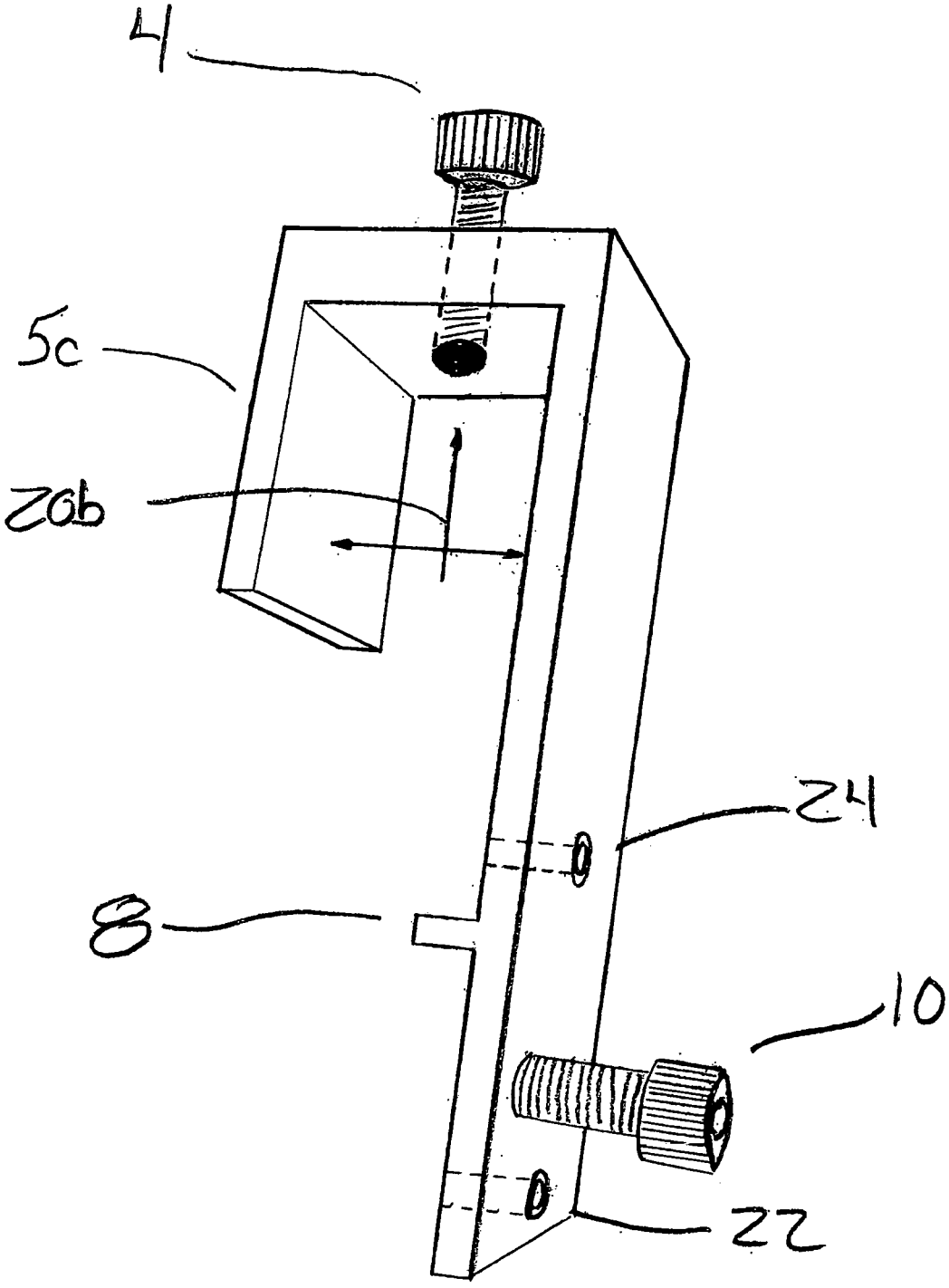


Figure 5



DOOR JALMB JIGS

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] N/A

BACKGROUND-PRIOR ART

[0002] The present invention relates to carpentry hand tools and more specifically to Carpenter framing squares and carpenter levels.

[0003] Problems that are solved while installing a pre-hung door. Obviously a person can't be on both sides of a door at the same time when the door is closed. So the installer must remove the door from the jamb.

[0004] Problem #**1** . . . Once the door is removed the jambs are no longer straight. The invention solves this problem as the jamb is temporally affixed to a 6 foot level on the hinge side. Problem #**2** When the jamb is not attached to the door, the head goes out of square in relation to the jamb legs. The invention solves this problem as the framing square and jigs are forcing the head jamb to be 90 degrees square in relation to the hinge side of the door jamb.

[0005] Problem #**3** The jambs need to be installed plumb, level and square before installing shims between the jamb and the rough frame opening. To make things worse the rough framing studs are twisted so shimming is never equal on each side of the opening. Shimming is guess work, trial and error. Also the jambs need to be 1/32 proud of the finish wall on each side of the wall. The invention solves all of the above problems simultaneously as the Door Jamb Jigs are affixed to the hinge side of the door jamb and the head jamb. The framing square and carpenters level are integrated and sandwiched between the wood jamb and inward protruding jamb stops within the jig body. Once the entire assemble is screwed thru the drywall into the framing studs, the jamb can be adjusted plumb, level, square and 1/32 proud of the finish wall all before shimming. The installer can then determine exactly how much shimming is required on each side between the jamb and the rough frame opening without twisting the jamb thus, eliminating jamb torque and hinge binding.

SUMMARY

[0006] The purpose of the invention is to integrate a carpenters level and a carpenters framing square, affixing them to a door jamb temporarily during permanent installation of a pre-hung door. The utility of the embodiment enables the user to accurately shim door jambs in the proper position much faster and easier compared to other methods.

BRIEF LIST OF DRAWINGS

[0007] FIG. **1**. Illustrates the in use perspective view.

[0008] FIG. **2**. Illustrates a sectional view in use.

[0009] FIG. **3**. Illustrates a perspective view of #**1** FIG. **1** upper level squaring jig.

[0010] FIG. **4**. Illustrates a perspective view of #**3** FIG. **1** head squaring jig.

[0011] FIG. **5**. Illustrates a perspective view of #**5***a* FIG. **1** lower jig for level only.

DRAWINGS—REFERENCE NUMERALS

FIG. **1**.

[0012]

1	upper level squaring jigs	3	head squaring jig
5a	lower jig for level only	7a	conventional wood door jamb
18a	carpenters framing square	20a	carpenters level

FIG. **2**.

[0013]

1	L-shaped jig body	18b	framing square slot
8	inward protruding jamb stop	4	level binder
6	framing sq. binder	10	drywall standoff adjuster
26	2 × 4 wood jack stud	12	drywall
14	wood shims	16	wooden door jamb
20a	carpenters level		
18a	carpenters framing square	24	jamb mounting hole & screw
22	wall mount hole & screw		

FIG. **3**.

[0014]

8	inward protruding jamb stop	18b	framing square slot
1	L-shaped jig body		
4	level binder	6	square binder
24	jamb mounting hole	10	drywall standoff adjuster
22	wall mounting hole		

FIG. **4**.

[0015]

6	square binder	3	slotted jig body (square only)
24	jamb mounting hole	10	drywall standoff adjuster
22	wall mounting hole	8	inward protruding jamb stop
18	framing square slot		

FIG. **5**.

[0016]

4	level binder	22	wall mounting hole
5c	J-channel jig body	10	drywall standoff adjuster
20b	level pocket	24	jamb mounting hole
8	inward protruding jamb stop		

[0017] The present disclosure is to be considered as an exemplification of the invention, and is not intended to limit the invention to the specific embodiments illustrated by the figures below.

[0018] FIG. **1**. depicts a perspective view that comprises three unique embodiments, #**1** The upper level squaring jig #**3** the head squaring jig and **5***a* the lower jig for level only.

[0019] The method of attachment described below for these jigs are similar and illustrated in FIG. **2** as follows.

[0020] FIG. **2** is a sectional view of #**1** FIG. **1** level & squaring jig. This illustrates the positioning of the embodiment a method of temporarily affixing and sandwiching a carpenters level a carpenters framing square and the illustrated wood door jamb #**16**. A method of temporary attachment via #**22** & #**24** wood screws directly thru #**12** wallboard into #**26** wood frame and #**16** wood jamb. Illustration #**18***a* is a carpenters framing square sandwiched within #**18***b* the framing square slot. Framing square #**18***a* is integrated into final position by #**6** framing square binder. A carpenters level illustrated by #**20***a* is integrated between #**4** level binder thus urging #**20***a* into final position between #**4** and #**16** illustrated wood jamb and #**8** inward protruding jamb stop.

[0021] FIG. **3** is a perspective view of #**1** FIG. **1**. #**8** The inward projecting jamb stop is attached to or part of #**1** L-shaped jig body.

[0022] #**18***b* The framing square slot is an embodiment of the L shaped jig body. #**4** Level binder and #**6** framing square binder urge into final position proposed carpenters level & carpenters square between the proposed wood jamb and #**8** inward protruding jamb stop. Orifice #**24** is a jamb mounting hole. A mechanical means #**10** described as a drywall standoff adjustment. Orifice #**22** is a wall mounting hole.

DESCRIPTION OF ADDITIONAL EMBODIMENT

[0023] FIG. **4** is a perspective view illustrated as #**3** FIG. **1** Head squaring Jig

Drawing Reference Numerals

#18b	framing square slot		
#3	slotted jig body (square only)	#8	inward protruding jamb stop

-continued

Drawing Reference Numerals

#22	wall mounting hole	# 24	jamb mounting hole
#10	drywall standoff adjuster	#6	framing square binder

CONCLUSIONS, RAMIFICATIONS AND SCOPE

[0024] A universal accessory device designed to integrate a 90 degree carpenters framing square or similar too square combined with a carpenters level affixed to a door jamb temporarily positioned within the rough opening of a wall. The jamb can then be shimmed in place faster, easier and with greater accuracy compared to other and conventional methods. The jig body can be any flat rigid material, bent molded, extruded, 3 D printed or assembled into a similar shape to facilitate the embodiment.

[0025] The level binding and square binding parts can be metal, plastic, or any hard material, by any mechanical means to function in a similar way. The jamb stops can also be molded, bent, extruded, screwed, 3D printed or assembled in a location to function in the exact or similar way illustrated in the drawings.

I claim:

1. An accessory device of mechanical means and structural slot for urging integration of a 90 degree carpenters square and a carpenters level contiguously sandwiching affixing and binding said combination of tools temporarily to a door jamb comprising an L shaped jig body with a slot to accommodate a proposed carpenters framing square and a protrusion within said jig body that can bind a door jamb between said mechanical means said jig body said level and said square simultaneously.

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