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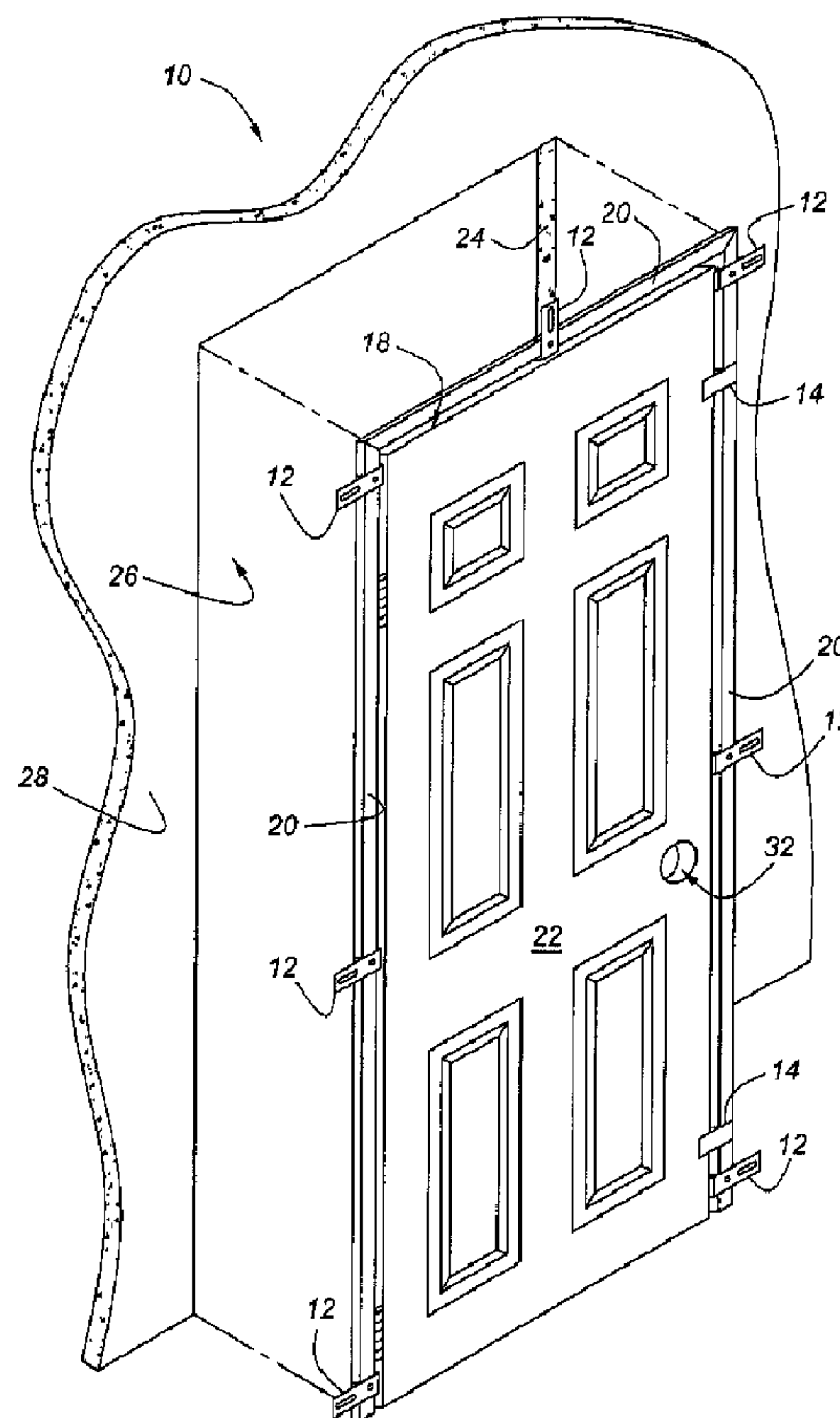
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(54) Titre : NECESSAIRE D'INSTALLATION PRESUSPENDU POUR BLOC-PORTE

(54) Title: PRE-HUNG DOOR ASSEMBLY INSTALLATION KIT



(57) **Abrégé/Abstract:**

A kit for installing a door assembly including a plurality of door frame brackets adapted to be attached to a door frame and to a wall having an opening in which the door assembly is to be installed and a lockset bracket adapted to be attached to a lockset hole

(57) **Abrégé(suite)/Abstract(continued):**

formed in an edge surface of the door and to the door frame, the lockset bracket being operable to fix the door in relation to the door frame and the door frame brackets being operable to fix the door assembly relative to the opening.

ABSTRACT OF THE DISCLOSURE

A kit for installing a door assembly including a plurality of door frame brackets adapted to be attached to a door frame and to a wall having an opening in which the door assembly is to be installed and a lockset bracket adapted to be attached to a lockset hole
5 formed in an edge surface of the door and to the door frame, the lockset bracket being operable to fix the door in relation to the door frame and the door frame brackets being operable to fix the door assembly relative to the opening.

TITLE

PRE-HUNG DOOR ASSEMBLY INSTALLATION KIT

BACKGROUND OF THE INVENTION

5 The present invention relates generally to pre-hung doors and, in particular, to a kit for installing a pre-hung residential door assembly that allows for improved, easier installation of a pre-hung door assembly adjacent an opening in a residential wall.

 A typical pre-hung residential door assembly includes a substantially rectangular door frame having a preferably wood door hingedly attached thereto. The door assembly
10 is configured for attachment to walls of a rough opening formed in a residential wall, for example in a house, a garage, or the like. These pre-hung door assemblies are advantageous in that the frame and the door are pre-aligned, requiring only the frame to be attached and aligned to the rough opening and eliminating the step of aligning the orienting the door to the frame.

15 The following U.S. patents and published patent application are relevant to pre-hung door assemblies and/or installation of pre-hung doors, the U.S. Patent Nos. 2,919,798, 3,301,820, 3,411,240, 3,473,265, 3,584,416, 3,599,373, 4,718,195, 4,739,561, 5,159,782, 5,365,697, 5,655,332, 6,170,198, 6,725,604, and the U.S. Patent Application No. 2004/0060241.

20 While pre-hung door assemblies are advantageous and eliminate the step of aligning and orienting the door to the frame, properly aligning and orienting the door assembly in the rough opening remains a difficult and often time-consuming task due in part to the weight of the door assembly and in part to the need to shim the assembly in the opening. Often, after the shims have been inserted, some or all of the shims move or
25 fall out when the door is opened to test the fit.

 It is desirable, therefore, to allow for easier and quicker installation of a pre-hung door assembly that maintains the alignment between the door frame and the door while installing the pre-hung door assembly.

30 SUMMARY OF THE INVENTION

 The present invention concerns a kit for installing a pre-hung door assembly to a rough opening in a residential wall.

A kit for installing a door assembly including a plurality of door frame brackets adapted to be attached to a door frame and to a wall having an opening in which the door assembly is to be installed, a plurality of door brackets adapted to be attached to a door and the door frame, and a lockset bracket adapted to be attached to a lockset hole formed
 5 in an edge surface of the door and to the door frame, the door brackets and the lockset bracket being operable to fix the door in relation to the door frame and said door frame brackets being operable to fix the door assembly relative to the opening.

The kit in accordance with the present invention is adapted to engage with a pre-hung residential door assembly, which includes a substantially rectangular door frame
 10 having a preferably wood door hingedly attached thereto. The door assembly is configured for attachment to walls of a rough opening formed in a residential wall, for example in a house, a garage, or the like.

The kit in accordance with the present invention includes at least one and preferably a plurality of door frame brackets, at least one and preferably a plurality of
 15 door brackets and at least one lockset bracket. Each bracket is preferably adapted to be attached to a predetermined location on the pre-hung residential door assembly.

The kit in accordance with the present invention allows for improved, easier, and quicker installation of a door assembly and advantageously keeps the door frame and the door aligned during installation of the door assembly.

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DESCRIPTION OF THE DRAWINGS

The above, as well as other advantages of the present invention will become readily apparent to those skilled in the art from the following detailed description of a preferred embodiment when considered in the light of the accompanying drawings in
 25 which:

Fig. 1 is a front elevation view of a kit in accordance with the present invention shown attached to a pre-hung door assembly;

Fig. 2 is a fragmentary perspective view of the lock area of the door shown in Fig. 1;

30 Fig. 3 is a perspective view of a door frame bracket of the kit in accordance with the present invention;

Fig. 4 is a top plan view of the door frame bracket of Fig. 3;

Fig. 5 is a perspective view of a door bracket of the kit in accordance with the present invention;

Fig. 6 is a top plan view of the door bracket of Fig. 5;

Fig. 7 is a perspective view of a lockset bracket of the kit in accordance with the present invention; and

Fig. 8 is a perspective view of an alternative embodiment of a lockset bracket in accordance with the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring now to Fig. 1, a pre-hung door installation kit in accordance with the present invention is indicated generally at 10. The kit 10 includes at least one and preferably a plurality of generally F-shaped door frame brackets 12, at least one and preferably a plurality of door brackets 14, and at least one lockset bracket 16.

The brackets 12, 14, and 16 of the kit 10 are adapted to be attached at various locations on a pre-hung door assembly 18, best seen in Fig. 1 and discussed in more detail below. The door assembly 18 includes a substantially rectangular door frame 20 having a preferably wood door 22 hingedly attached thereto. The door assembly 18 is configured for attachment to surfaces 24 of a rough opening 26 formed in a residential building wall 28, for example in a house, a garage, or the like. The wall 28 may be an interior wall or an exterior wall and the door assembly 18 may be configured as an interior door (with a typically wood door 22) or an exterior door (with a typically steel door), as will be appreciated by those skilled in the art. The door 22 includes a lockset hole 30, best seen in Fig. 2, formed in a side edge surface thereof. The lockset hole 30 extends to a door knob hole 32 formed through front and rear surfaces of the door 22.

Referring now to Figs. 3-4, the kit 10 includes at least one and preferably a plurality of the generally F-shaped door frame brackets 12. The door frame brackets 12 include a base 34 and a pair of arms 36 extending from the base 34 that are spaced apart by a predetermined distance, indicated by an arrow 38. The predetermined distance 38 is preferably sized to provide a snug fit for the door frame bracket 12 against the frame 20 of the door assembly 18, discussed in more detail below. The base 34 defines an elongated hole or slot 40 extending through upper and lower surfaces thereof. The hole 40 is sized to accept a fastener (not shown) or the like when the kit 10 is used to attach

the door assembly 18 to the surfaces 24 of the rough opening 26. The base 34 may also define an aperture 41 in a portion of the base 34 between the arms 36 for receiving a fastener or the like.

Referring now to Figs. 5-6, the kit 10 includes at least one and preferably a plurality of the door brackets 14, which include a first generally C-shaped door-engaging portion 42 that is adapted to engage with the door 22 and a second generally L-shaped frame-engaging portion 44 extending from the first portion 42 that is adapted to engage with the door frame 20. The first portion 42 includes a pair of arms 46 extending from a base 48 that are spaced apart by a predetermined distance, indicated by an arrow 50. The predetermined distance 50 is preferably sized to provide a snug fit for the door bracket 14 against the peripheral surface of the door 22 of the door assembly 18, discussed in more detail below. The second portion 44 includes an arm 52 having a first section 54 extending from the base 48 in a direction opposite the arms 46 and second bent over section 56 that defines a space, indicated by an arrow 58, between the bent over section 56 and the base 48. The predetermined distance 58 is preferably sized to provide a snug fit for the door bracket 14 against the frame 20 of the door assembly 18, discussed in more detail below.

Referring now to Fig. 7, the kit 10 includes at least one lockset bracket 16 which includes a generally C-shaped body having a pair of arms 60 extending from a base 62 that are spaced apart by a predetermined distance, indicated by an arrow 64. The predetermined distance 64 is preferably sized to provide a snug fit for the lockset bracket 16 against the frame 20 of the door assembly 18, discussed in more detail below. A projection 66 extends outwardly from an outer surface of one of the arms 60. The projection 66 is adapted to engage with the walls that define the lockset hole 30 formed in the peripheral surface of the door 22. While illustrated as substantially C-shaped, the projection 66 may conform to the outer surface of the arm 60 and is preferably sized to engage with the walls of the lockset hole 30 so as to prevent the door 22 from moving with respect to the door frame 20 during use of the kit 10, discussed in more detail below.

The door frame brackets 12, the door brackets 14, and the at least one lockset bracket 16 are preferably formed from a plastic material by, for example, an injection molding process. A suitable plastic material for one-time use of the kit is ABS

(acrylonitrile-butadiene-styrene). A suitable material for a reusable kit is glass filled nylon. Similar plastic materials also can be used. By forming the door frame brackets 12, the door brackets 14, and the at least one lockset bracket 16 from a plastic material, the kit 10 may be made advantageously light weight and easy to manipulate during the
 5 installation of the pre-hung door assembly 18, discussed in more detail below. Alternatively, the door frame brackets 12, the door brackets 14, and the at least one lockset bracket 16 are formed from any material having suitable material strength characteristics for use in a pre-hung door installation kit 10.

The predetermined distances 38, 50, and 64 may be any distance as determined by
 10 the type of door assembly 18 (such as an internal or external residential door assembly), as will be appreciated by those skilled in the art.

When ready to install the door assembly 18, the door frame brackets 12 are engaged with the door frame 20 by placing the arms 36 of the bracket 12 on opposing sides of the frame 20 and placing the base 34 between the arms 36 into close proximity
 15 with the outer surface of the frame 20. Preferably, the door frame brackets 12 are attached to the frame 20 of the door assembly 18 prior to placing the door assembly 18 adjacent the rough opening 26. The door frame brackets 12 may be secured to the frame 20 by placing a fastener, such as a wood screw or the like, through the aperture 41 to ensure that the door frame brackets 12 remain in a fixed location with respect to the
 20 frame 20 during use of the kit 10.

The door brackets 14 are engaged with the door 22 by placing the arms 46 of the first portion 42 of the bracket 12 on opposing sides of the door 22 and placing the base 48 between the arms 46 into close proximity to the peripheral surface of the door 22. This is preferably done while the door 22 is in a position swung away from the door
 25 frame 20. The door brackets 14 are then engaged with the door frame 22 by swinging the door 22 to a closed position and placing the second section 56 of the arm 52 and the base 48 on opposing sides of the frame 20 and placing the first section 54 of the arm 52 into close proximity with the outer surface of the frame 20.

The lockset bracket 16 is engaged with the door 22 by placing the projection 66
 30 of the bracket 16 into engagement with the surfaces defined by the lockset hole 30 on the peripheral surface of the door 22. This is preferably done while the door 22 is in a position swung away from the door frame 20. Preferably, the projection 66 engages with

the surfaces in an interference or press-type fit. The lockset bracket 16 is then engaged with the door frame 20 by swinging the door 22 to the closed position and placing the arms 60 on opposing sides of the frame 20 and placing the base 62 into close proximity with the outer surface of the frame 20. Preferably the door brackets 14 and the lockset
5 bracket 16 are engaged with the door 22 and the lockset hole 30, respectively, in succession prior to swinging the door 22 to the closed position.

After the brackets 12, 14, and 16 are engaged with frame 20 and the door 22 of the assembly 18, the assembly 18 is then placed adjacent the rough opening 26. The door frame brackets 12 are then attached to the walls 28 adjacent the rough opening 26, such
10 as by placing a fastener such as a nail, a drywall screw, or the like (not shown) through the elongated holes 40 of the brackets 12 and extends into the walls 28. Preferably, the fasteners are placed to allow for movement of the assembly 18 within the rough opening 26. As seen in Fig. 1, the brackets 12 are placed on the opposing sides (the left and right sides as seen in Fig. 1) of the frame 20, which allows for horizontal adjustment of the
15 assembly 18 with respect to the opening 26 and on the upper or top side of the frame 20, which allows for vertical adjustment of the assembly 18 with respect to the rough opening 26. When the fasteners are placed in the brackets 12 and extend into the walls 28, the brackets 12 and fasteners support the weight of the assembly 18, advantageously allowing the user of the kit 10 to more easily manipulate the assembly 18 into a desired
20 orientation within the rough opening 26.

While the user of the kit 10 aligns the assembly 18 with respect to the surfaces 24 and the walls 28 of the rough opening 26, the door brackets 14 and the lockset bracket 16 maintain the relationship between the door 22 and the frame 20 while the user makes adjustments to the assembly 18, such as leveling, aligning, and orienting the door
25 assembly 18 with respect to the surfaces 24 and the wall 28 of the rough opening 26 including the use of shims and the like (not shown). Because the lockset hole 30 is formed in the door 22 at a predetermined location with respect to the frame 20 when the door 22 and the door frame 20 are manufactured to form the assembly 18, the lockset bracket 16 of the kit 10 advantageously makes use of this relationship and maintains
30 correct alignment between the door frame 20 and the door 22 during use of the kit 10.

After the assembly 18 is aligned in a desired position, the frame 20 is fixedly attached to the surfaces 24 of the rough opening 26 such as by nailing or the like. After

the assembly 18 is attached to the surfaces 24, the kit 10 is removed, and the assembly 18 is typically framed with molding (not shown) or the like that attaches to the walls 28 and covers the exterior surface of the frame 20 of the door assembly 18 to provide a pleasing appearance as is known in the art.

5 In an embodiment of the kit 10, there are seven of the door frame brackets 12, two of the door brackets 14 and one lockset bracket 16. Preferably during use of the kit 10, three of the door frame brackets 12 are located on each of the sides of the frame 20 and one of the brackets is located on the top of the frame 20. Preferably during use of the kit 10, the door brackets 14 are located above and below the door knob hole 32 and the
10 lockset bracket is located in the lockset hole 30.

The kit 10 in accordance with the present invention allows for improved, easier, and quicker installation of a pre-hung door assembly 18 and advantageously keeps the door frame 20 and the door 22 aligned during installation of the door assembly 18. In addition, the kit 10 is advantageously reusable such that a plurality of pre-hung door
15 assemblies 18 may be installed utilizing the same kit 10, making the kit 10 particularly advantageous for finish carpenters and the like during new home construction or remodeling projects.

Referring now to Fig. 8, an alternative embodiment of a kit (not numbered) includes at least one lockset bracket 72 which includes a generally C-shaped body having
20 a pair of arms 74 extending from a base 76 that are spaced apart by a predetermined distance, indicated by an arrow 78. The predetermined distance 78 is preferably sized to provide a snug fit for the lockset bracket 72 against the frame 20 of the door assembly 18, discussed in more detail below. A projection 80 extends outwardly from an outer surface of one of the arms 74. The projection 80 is adapted to engage with the walls that
25 define the lockset hole 30 formed in the peripheral surface of the door 22. While illustrated as substantially C-shaped, the projection 80 may conform to the outer surface of the arm 74 and is preferably sized to engage with the walls of the lockset hole 30 so as to prevent the door 22 from moving with respect to the door frame 20 during use of the alternative kit, discussed in more detail below. The alternative lockset bracket 72
30 includes at least one aperture 82 extending through the base 76 thereof. The bracket 72 also includes at least one aperture 84 extending through one of the arms 60 and at least one aperture 86 extending through the other of the arms 60. The apertures 84 are

preferably of a smaller diameter than the apertures **86** and the apertures **84** and **86** are preferably coaxial such that an elongated tool, such as a screwdriver or the like, may pass through both the apertures **84** and **86**.

The apertures **84** and **86** allow a fastener (not shown) such as a screw, a nail, or the like to fixedly attach the lockset bracket **72** directly to the walls of the lockset hole **30**. The aperture **86** allows a tool and fastener, such as a screwdriver and a screw or the like, to pass therethrough and to insert the fastener through the apertures **84** to attach the lockset bracket **72** to the walls of the lockset hole **30**. Similarly, the aperture **82** allows a fastener (not shown), such as a screw, a nail, or the like, to attach the lockset bracket **72** directly to the door frame **20**.

Similar to the door frame brackets **12**, the door brackets **14**, and the at least one lockset bracket **16**, the lockset bracket **72** is preferably formed from a plastic material by, for example, an injection molding process. A suitable plastic material for one-time use of the kit is ABS (acrylonitrile-butadiene-styrene). A suitable material for a reusable kit is glass filled nylon. Similar plastic materials also can be used.

The alternative kit in accordance with the present invention does not include the at least one door bracket **14** shown in Figs. 5 and 6 but rather includes a plurality of door frame brackets **12** and the alternative embodiment of the lockset bracket **72** shown in Fig. 8. When ready to install the door assembly **18**, the door frame brackets **12** are engaged with the door frame **20** by placing the arms **36** of the bracket **12** on opposing sides of the frame **20** and placing the base **34** between the arms **36** into close proximity with the outer surface of the frame **20**. Preferably, the door frame brackets **12** are attached to the frame **20** of the door assembly **18** prior to placing the door assembly **18** adjacent the rough opening **26**. The door frame brackets **12** may be secured to the frame **20** by placing a fastener, such as a wood screw or the like, through the aperture **41** to ensure that the door frame brackets **12** remain in a fixed location with respect to the frame **20** during use of the alternative kit.

The lockset bracket **72** is engaged with the door **22** by placing the projection **80** of the bracket **72** into engagement with the surfaces defined by the lockset hole **30** on the peripheral surface of the door **22**. This is preferably done while the door **22** is in a position swung away from the door frame **20**. Preferably, the projection **80** engages with the surfaces in an interference or press-type fit. A fastener (not shown) is passed through

the apertures 84 and 86 to removably attach the lockset bracket 72 to the walls of the lockset hole 30. The lockset bracket 72 is then engaged with the door frame 20 by swinging the door 22 to the closed position and placing the arms 74 on opposing sides of the frame 20 and placing the base 76 into close proximity with the outer surface of the
5 frame 20. A fastener (not shown) is then passed through the aperture 82 to removably attach the lockset bracket 72 to the frame 20.

After the brackets 12 and 76 of the alternative kit are attached to the pre-hung door assembly 18, the user of the alternative kit aligns the assembly 18 with respect to the surfaces 24 and the walls 28 of the rough opening 26 and fixedly attaches to the
10 surfaces 24 of the rough opening 26 such as by nailing or the like in a manner similar to the kit 10 outlined above. After the assembly 18 is attached to the surfaces 24, the alternative kit is removed, and the assembly 18 is typically framed with molding (not shown) or the like that attaches to the walls 28 and covers the exterior surface of the frame 20 of the door assembly 18 to provide a pleasing appearance as is known in the art.

15 The combination of utilizing at least one fastener to fixedly attach the lockset bracket 72 to the walls of the lockset hole 30 and at least one fastener to fixedly attach the lockset bracket 72 to the door frame 20 advantageously provides a potentially more robust connection to prevent the door 22 from moving with respect to the door frame 20 than the combination of the interference or press-type fit of the projection 80 engaging
20 with the walls of the lockset hole 30 and placing the base 76 into close proximity with the outer surface of the frame 20.

Similar to the kit 10, the alternative kit in accordance with the present invention allows for improved, easier, and quicker installation of a pre-hung door assembly 18 and advantageously keeps the door frame 20 and the door 22 aligned during installation of
25 the door assembly 18, while advantageously utilizing fewer parts than the kit 10. In addition, the alternative kit is advantageously reusable such that a plurality of pre-hung door assemblies 18 may be installed utilizing the same kit, making the alternative kit particularly advantageous for finish carpenters and the like during new home construction or remodeling projects.

In accordance with the provisions of the patent statutes, the present invention has been described in what is considered to represent its preferred embodiment. However, it should be noted that the invention can be practiced otherwise than as specifically illustrated and described without departing from its spirit or scope.

CLAIMS:

1. A pre-hung door assembly installation kit for attaching a pre-hung door assembly to surfaces adjacent a rough opening in a wall, the pre-hung door assembly including a door frame and a door hingedly attached to the door frame, comprising:
 - 5 at least one door frame bracket adapted to engage with the door frame and to attach to one of the surfaces adjacent the opening; and
 - a lockset bracket adapted to engage with a latch plate recess formed in a peripheral surface of the door and adapted to engage with the door frame, said lockset bracket comprising a U-shaped body having a pair of arms and a single projection extending from
 10 one of said arm for engaging sides of the latch plate recess, said projection engaging at least three sides of the recess in an interference or press fit and being the only element of said lockset bracket extending away from and beyond said U-shaped body, said lockset bracket being operable to fix the door in relation to the door frame, said at least one door frame bracket being operable to allow a user of the kit to align and orient the pre-hung door
 15 assembly with the surfaces adjacent the opening in the wall, wherein said at least one door frame bracket and said lockset bracket are removable after the door assembly is installed in the wall and said at least one door frame bracket and said lockset bracket are reusable while the door remains in use in the opening.
- 20 2. The kit according to claim 1 wherein said at least one door frame bracket is a plurality of door frame brackets.
3. The kit according to claim 1 including a plurality of door brackets adapted to engage with the door and the door frame.
- 25 4. The kit according to claim 3 wherein each said door bracket includes a generally C-shaped first portion and a generally L-shaped second portion extending from said first portion.
- 30 5. The kit according to claim 1 wherein said at least one door frame bracket and said

lockset bracket are formed from a plastic material.

6. The kit according to claim 1 wherein said at least one door frame bracket is a generally F-shaped bracket.

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7. The kit according to claim 1 wherein said at least one door frame bracket defines an aperture therein for receiving a fastener.

8. A pre-hung door assembly installation kit for attaching a pre-hung door assembly to
10 surfaces adjacent a rough opening in a wall, the pre-hung door assembly including a door frame and a door hingedly attached to the door frame, comprising:

at least one door frame bracket adapted to engage with the door frame and with the wall having the opening in which the door assembly is to be installed; and

a lockset bracket adapted to engage with a latch plate recess formed in a peripheral
15 surface of the door and adapted to engage with the door frame, said lockset bracket comprising a U-shaped body having a pair of arms and a single projection extending from one of said arms for engaging sides of the latch plate recess, said projection engaging at least three sides of the recess in an interference or press fit and being the only element of said lockset bracket extending away from and beyond said U-shape body, said lockset bracket
20 being operable to fix the door in relation to the door frame, wherein said at least one door frame bracket and said lockset bracket are removable after the door assembly is installed in the wall and said at least one door frame bracket and said lockset bracket are reusable while the door remains in use in the opening.

25 9. The pre-hung door assembly kit according to claim 8 wherein said at least one door frame bracket comprises a plurality of door frame brackets, said door frame brackets being operable to allow a user of the kit to align and orient the pre-hung door assembly with the surfaces adjacent the opening in the wall.

30 10. The pre-hung door assembly kit according to claim 8 wherein said projection is

generally U-shaped.

11. A pre-hung door assembly installation kit for attaching a pre-hung door assembly to surfaces adjacent a rough opening in a wall, the pre-hung door assembly including a door
 5 frame and a door hingedly attached to the door frame, the installation kit comprising:
 at least one door frame bracket adapted to engage with the door frame and to releasably attach to one of the surfaces adjacent the opening; and
 a lockset bracket having a single one-piece, unitary construction and a generally C-shaped body, said lockset bracket adapted to engage with a latch plate recess formed in a
 10 peripheral surface of the door and adapted to engage with the door frame, said lockset bracket body having an arm, said arm having a first aperture formed therein for receiving a fastener, said lockset bracket, when engaged and fastened to the door by the fastener in said first aperture, being operable to fix the door in relation to the door frame with said arm extending between the peripheral surface of the door and the door frame, said at least one
 15 door frame bracket, when engaged with the door frame and engaged and releasably attached to the one surface adjacent the opening, being operable to allow a user of the kit to align and orient the pre-hung door assembly with the surfaces adjacent the opening in the wall, wherein said at least one door frame bracket is removable from the door frame and the one surface and said lockset bracket is removable from the door frame and the door after the
 20 door assembly is installed in the wall and said at least one door frame bracket and said lockset bracket are reusable while the door assembly remains in use in the opening, wherein said lockset bracket includes a projection extending from said arm for engagement with the latch plate recess, the projection being generally C-shaped and sized to engage with walls of the latch plate recess so as to prevent the door from moving with respect to the door frame
 25 during use of the kit wherein the generally C-shaped body opens in a first direction and the generally C-shaped projection opens in a second direction opposite to the first direction.

12. The kit according to claim 11 wherein said at least one door frame bracket is a plurality of door frame brackets.

13. The kit according to claim 11 wherein said at least one door frame bracket is a generally F-shaped bracket.

14. The kit according to claim 11 wherein said at least one door frame bracket defines an
5 aperture therein for receiving a fastener to secure said at least one door frame bracket to the door frame.

15. The kit according to claim 11 wherein said at least one door frame bracket is formed from a plastic material.

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16. The kit according to claim 11 wherein said generally C-shaped projection of said lockset bracket is adapted to be press-fit in the latch plate recess.

17. The kit according to claim 11 wherein said lockset bracket has another aperture
15 formed therein for receiving another fastener.

18. The kit according to claim 11 wherein said lockset bracket has a second aperture formed therein wherein said second aperture is larger than said first aperture and is coaxial with said first aperture for receiving a tool.

20

19. The kit according to claim 11 wherein said lockset bracket has another aperture formed therein for receiving a fastener to fixedly attach said lockset bracket to the door frame.

25 20. The kit according to claim 11 wherein said lockset bracket is formed from a plastic material.

21. A door assembly installation kit for attaching a pre-hung door assembly to surfaces adjacent a rough opening in a wall, the pre-hung door assembly including a door frame and a
30 door hingedly attached to the door frame, the installation kit comprising:

a plurality of door frame brackets adapted to be attached to the door frame and to the surfaces adjacent the rough opening in the wall;

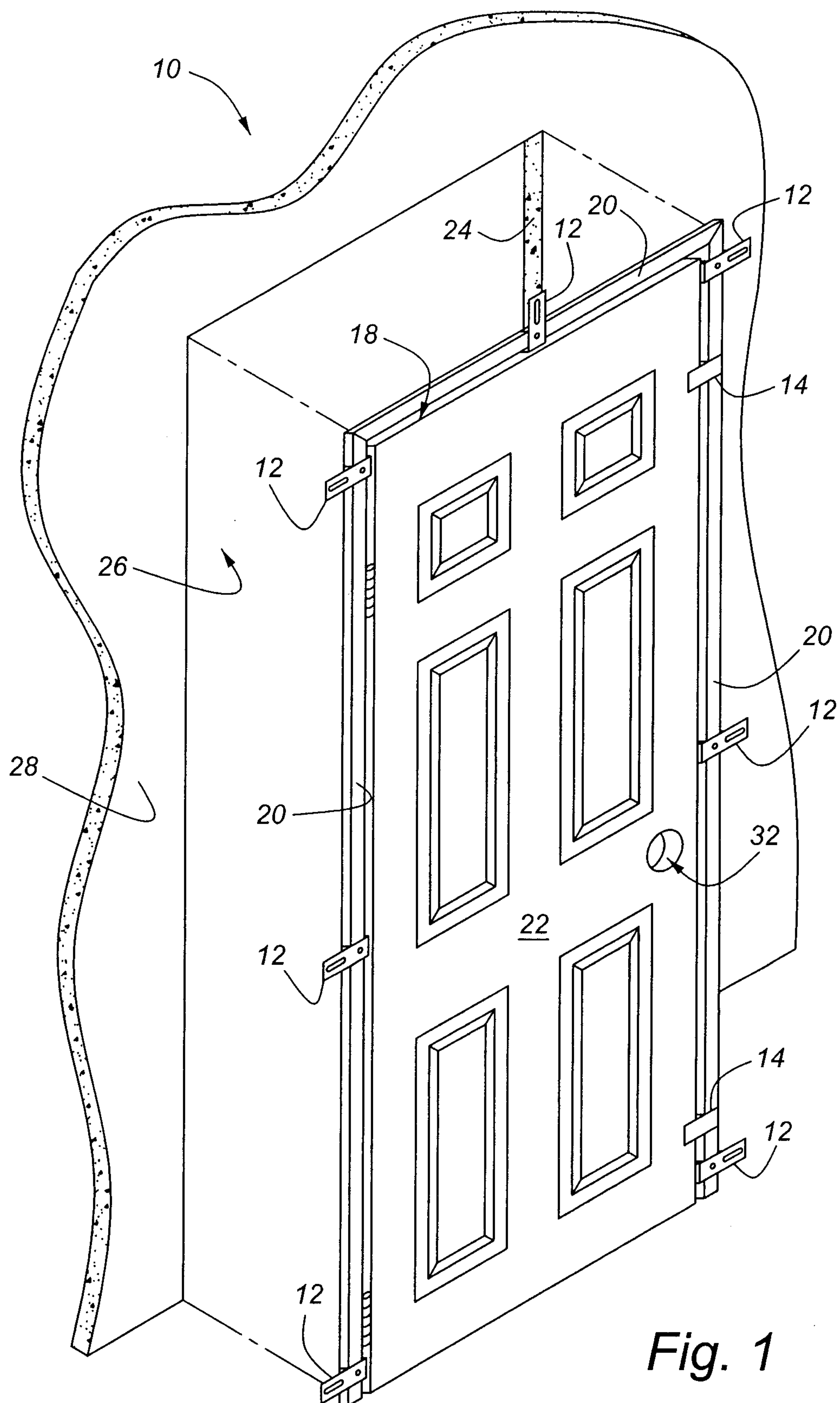
a lockset bracket having a single one-piece, unitary construction and a generally C-shaped body, said lockset bracket adapted to be engaged in a latch plate recess formed in an edge surface of the door and to be removably attached to the door frame, said lockset bracket body having an arm with an aperture formed therein for receiving a fastener to attach to a bottom surface of the latch plate recess, said lockset bracket, when engaged and attached with said door frame and said door with said arm extending between the edge surface of the door and the door frame, being operable to fix the door in relation to the door frame and said door frame brackets being operable to fix the door assembly relative to the opening, wherein said lockset bracket includes a projection extending from said arm for engagement with the latch plate recess, the projection being generally C-shaped and sized to engage with walls of the latch plate recess so as to prevent the door from moving with respect to the door frame during use of the kit wherein the generally C-shaped body opens in a first direction and the generally C-shaped projection opens in a second direction opposite to the first direction.

22. A door assembly installation kit for attaching a pre-hung door assembly to surfaces adjacent a rough opening in a wall, the pre-hung door assembly including a door frame and a door hingedly attached to the door frame, the installation kit comprising:

a plurality of door frame brackets adapted to be attached to the door frame and to the surfaces adjacent the rough opening in the wall;

a lockset bracket having a single one-piece, unitary construction and a generally C-shaped body, said lockset bracket adapted to be engaged in a latch plate recess formed in an edge surface of the door and to be removably attached to the door frame, said generally C-shaped body having a pair of arms extending from a base, one of said arms having a first aperture formed therein for receiving a fastener to attach to a bottom surface of the latch plate recess, another of said arms having a second aperture formed therein wherein said second aperture is larger than said first aperture and is coaxial with said first aperture and is sized for receiving a tool for attaching said fastener to the bottom surface of the latch plate recess, said base having a third aperture formed therein for receiving another fastener to

fixedly attach said lockset bracket to the door frame, said lockset bracket, when engaged and attached to the door and the door frame with said one arm extending between the edge surface of the door and the door frame, being operable to fix the door in relation to the door frame, said door frame brackets being operable to fix the door assembly relative to the
5 opening, wherein said lockset bracket includes a projection extending from said one arm for engagement with the latch plate recess, the projection being substantially C-shaped and sized to engage with walls of the latch plate recess so as to prevent the door from moving with respect to the door frame during use of the kit wherein the generally C-shaped body opens in a first direction and the substantially C-shaped projection opens in a second direction
10 opposite to the first direction.



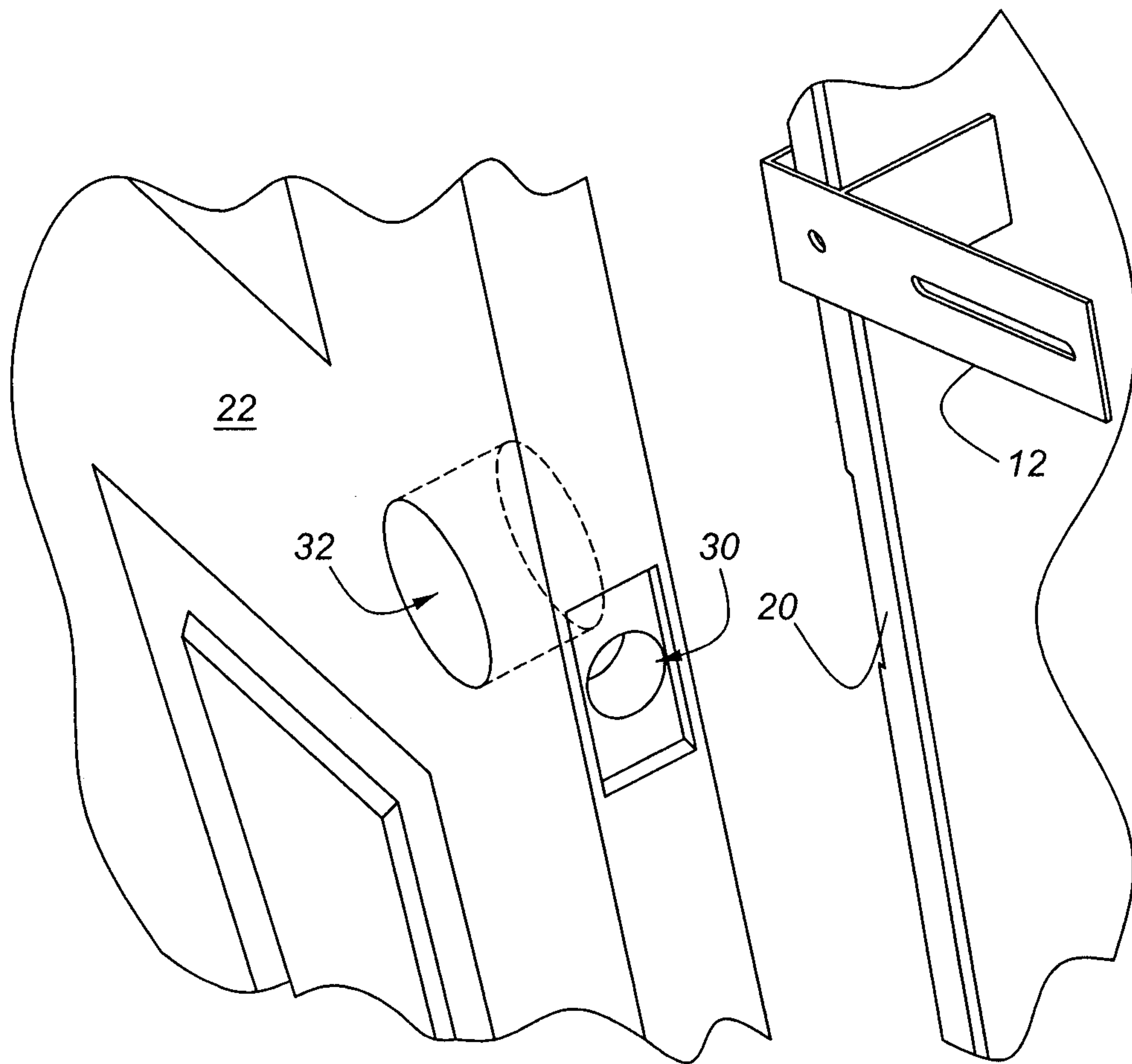


Fig. 2

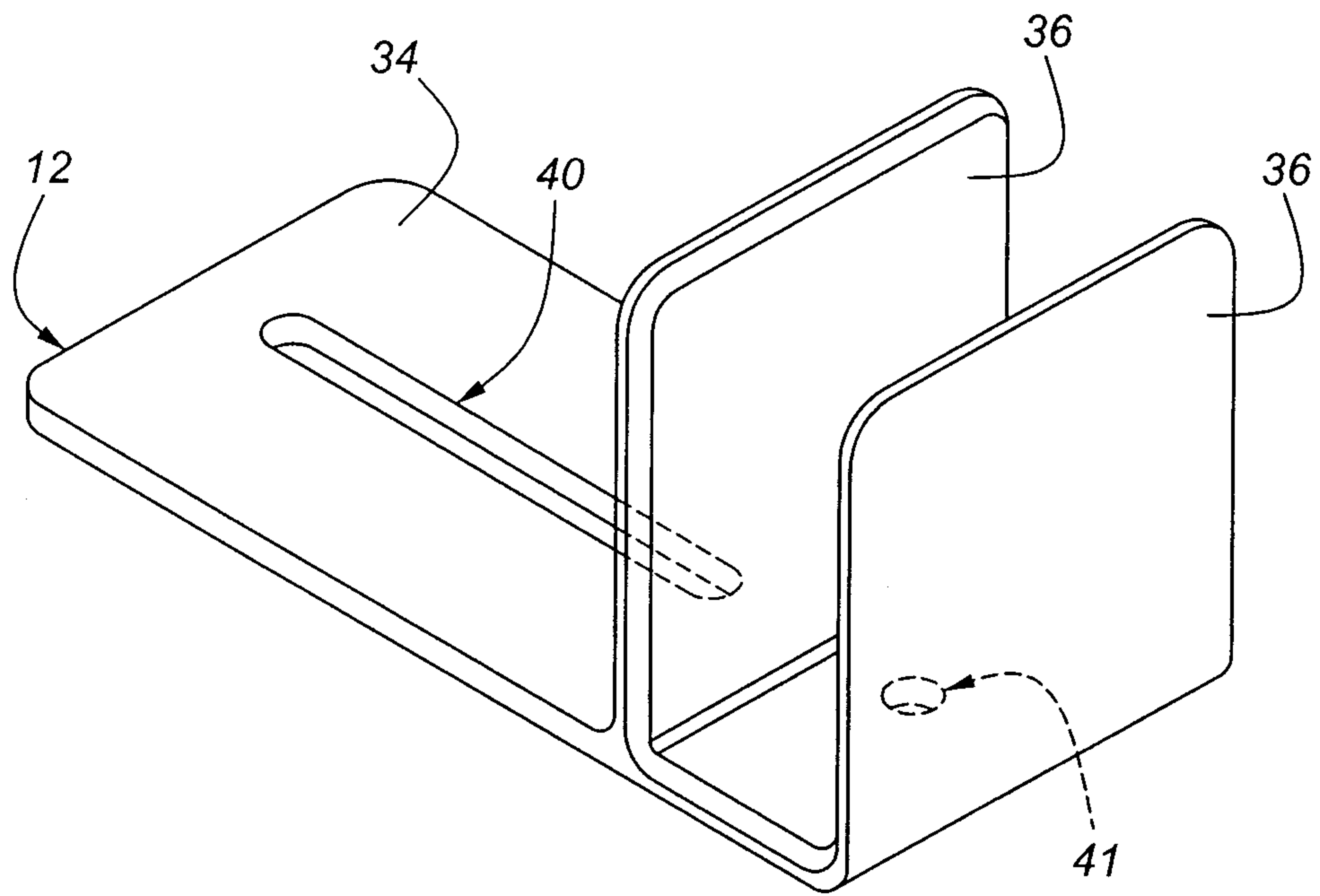


Fig. 3

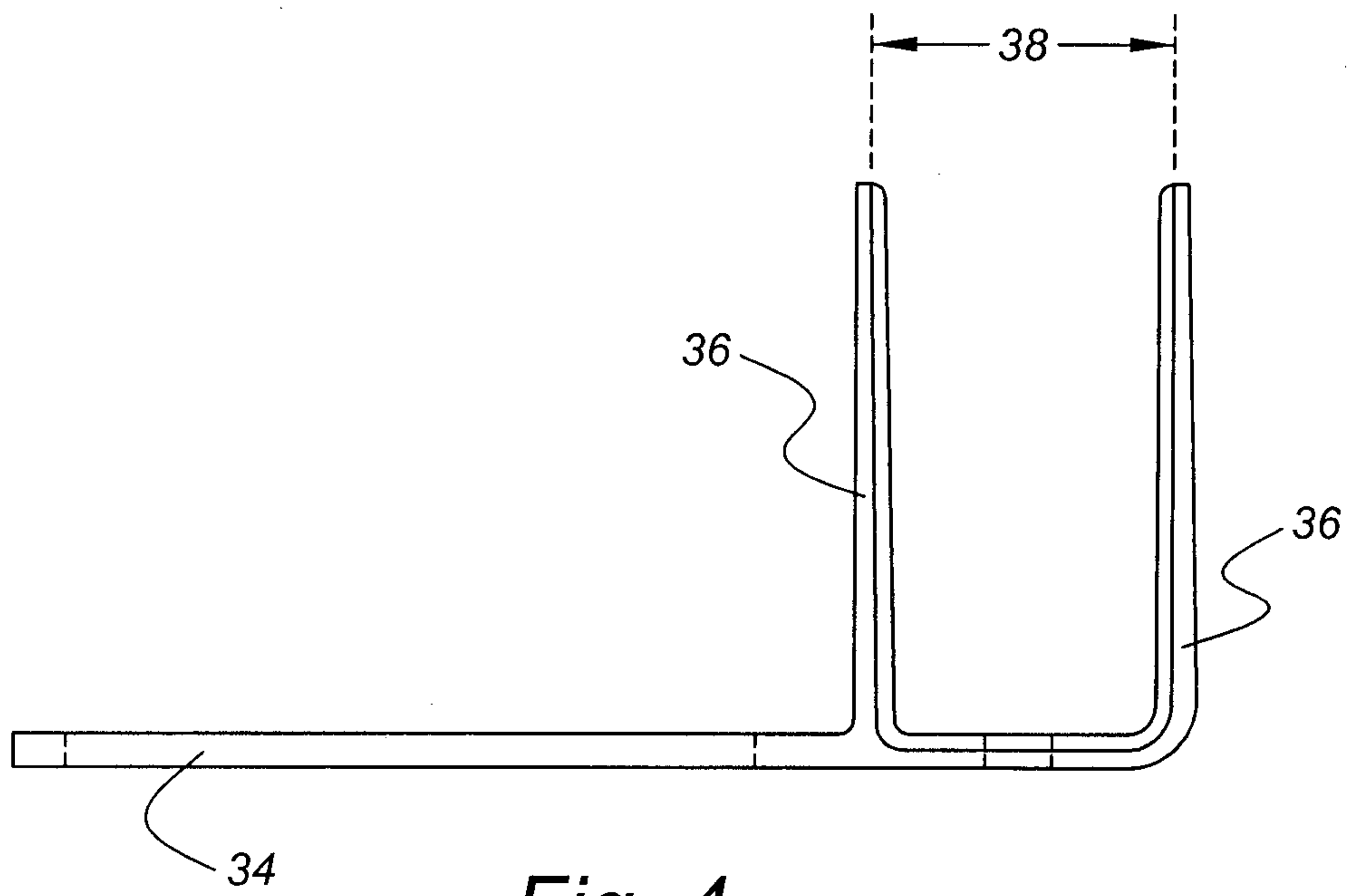


Fig. 4

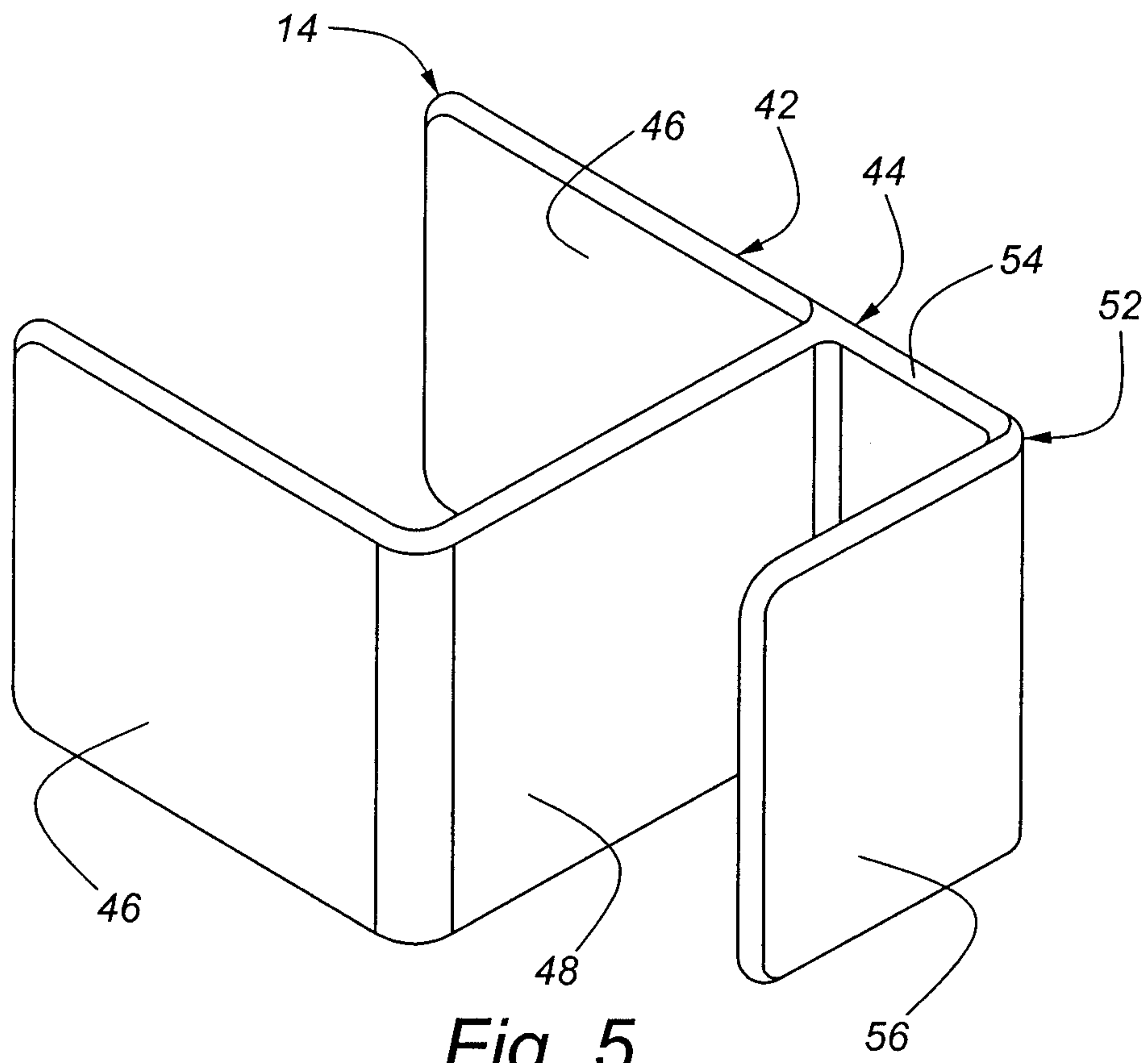


Fig. 5

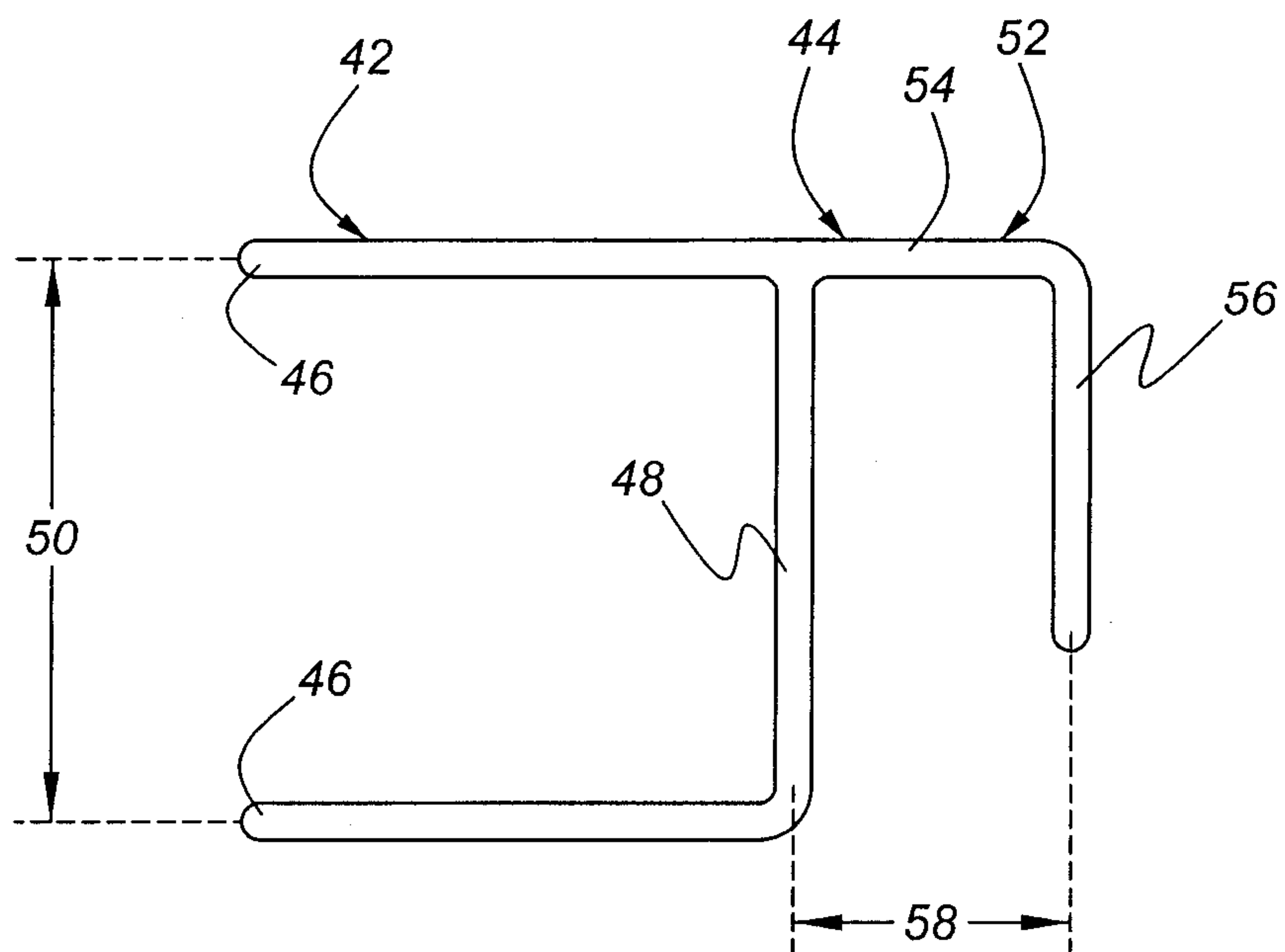


Fig. 6

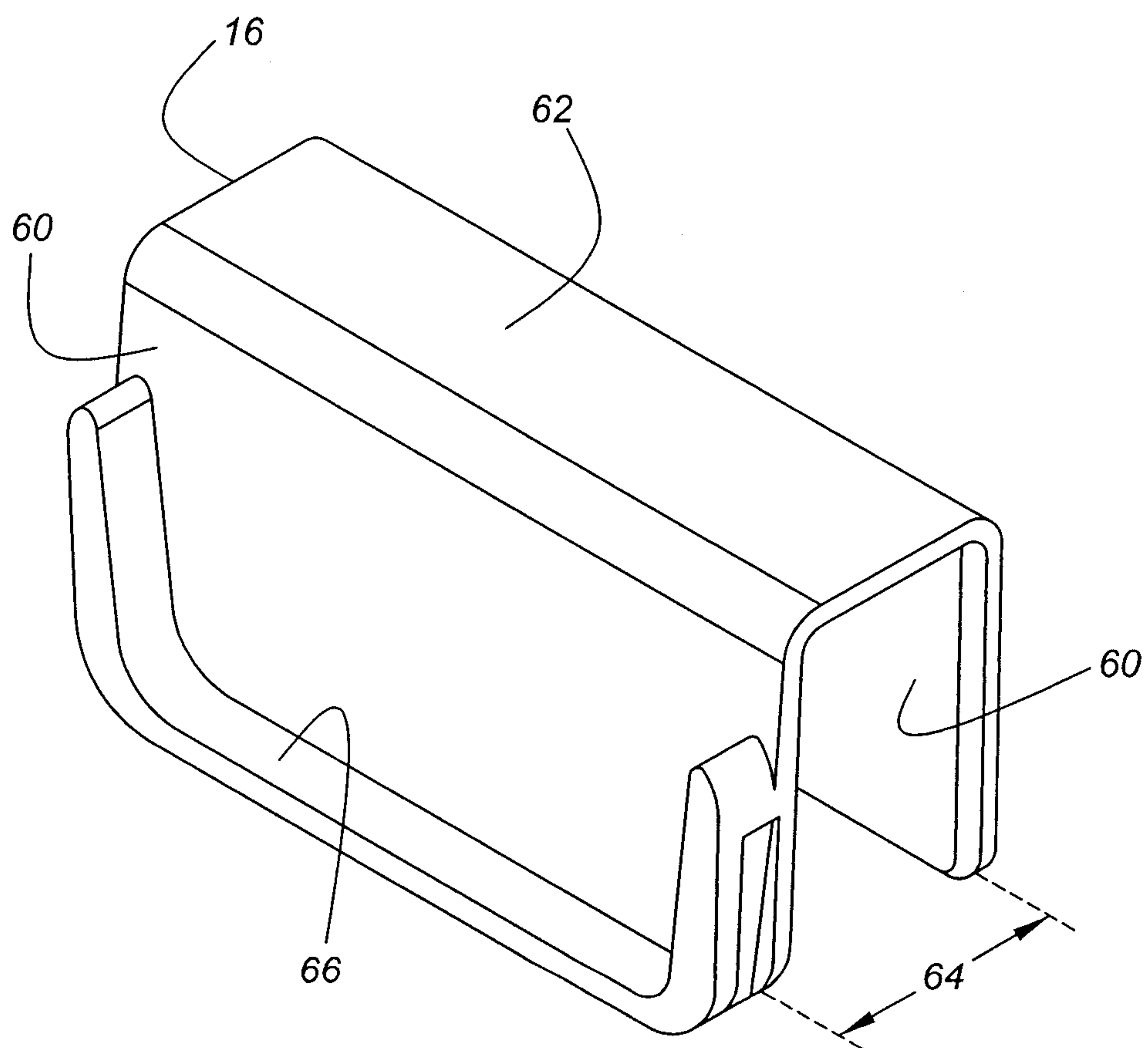


Fig. 7

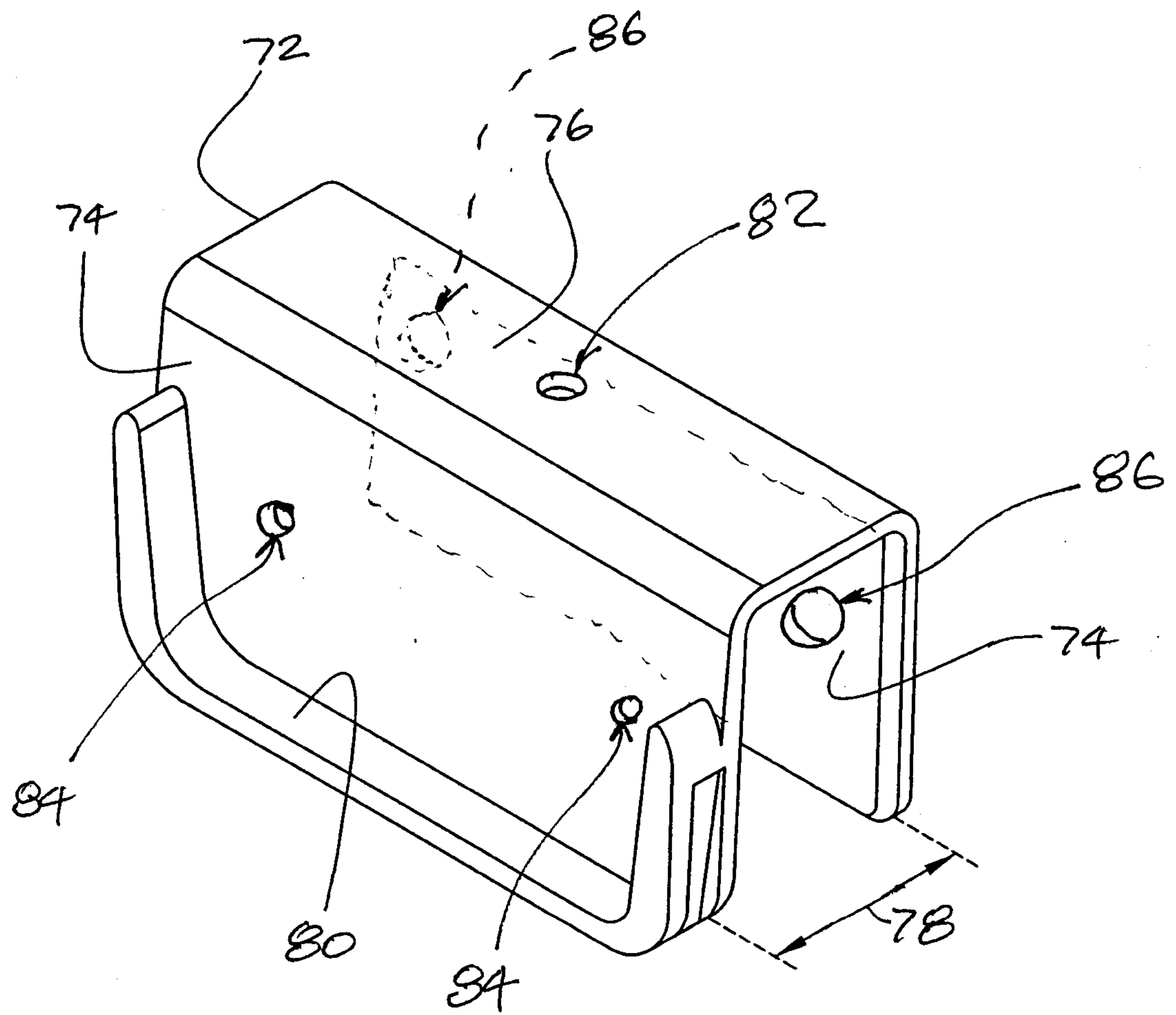


Fig. 8

