United States Patent

Cady et al.

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[54] SECURITY HASP

[72] Inventors: **James C. Cady**, Indianapolis; **William R. Foshee**, Noblesville, both of Ind.

[73] Assignee: **Best Look Corporation**, Indianapolis, Ind.

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[52] **U.S. Cl.** **292/281**, 70/56

[51] **Int. Cl.** **E05b 67/38**, E05c 19/08

[58] **Field of Search** ..... 70/38 A, 38 R, 41, 35, 54, 70/55, 52, 56, 2, 6, 7, 8, 52–56, 437; 292/281, 148, 205

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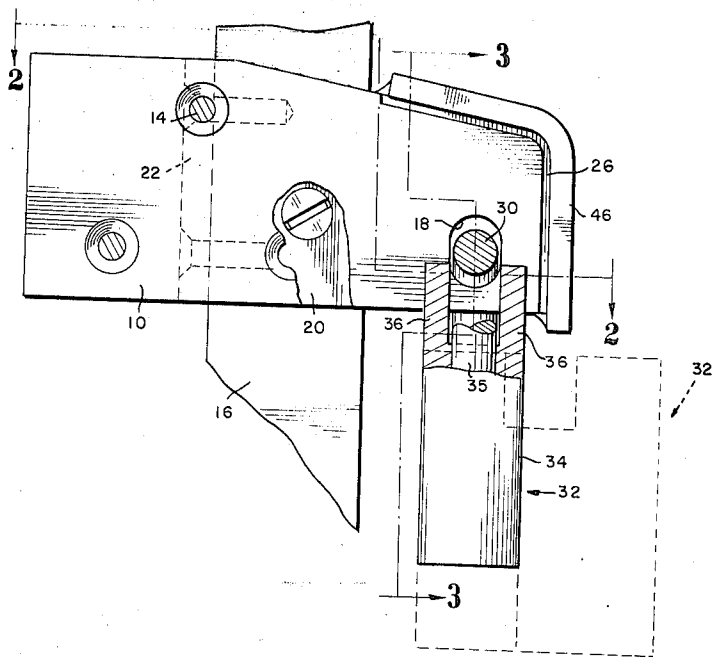
Primary Examiner—Robert L. Wolfe

Attorney—Trask, Jenkins & Hanley

[57] **ABSTRACT**

A security hasp for a door which when the door is closed projects forward along side a fixed keeper in position to be locked thereto by a padlock. For security a shrouded padlock is used having a lock case which shrouds its shackle and form a yoke embracing the hasp and keeper from below, and the hasp carries a hood which projects across the keeper and across the yoke opening of the padlock and thereby cooperates with the shrouds to shield the lock shackle from access by a cutting tool.

2 Claims, 3 Drawing Figures



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SHEET 1 OF 2

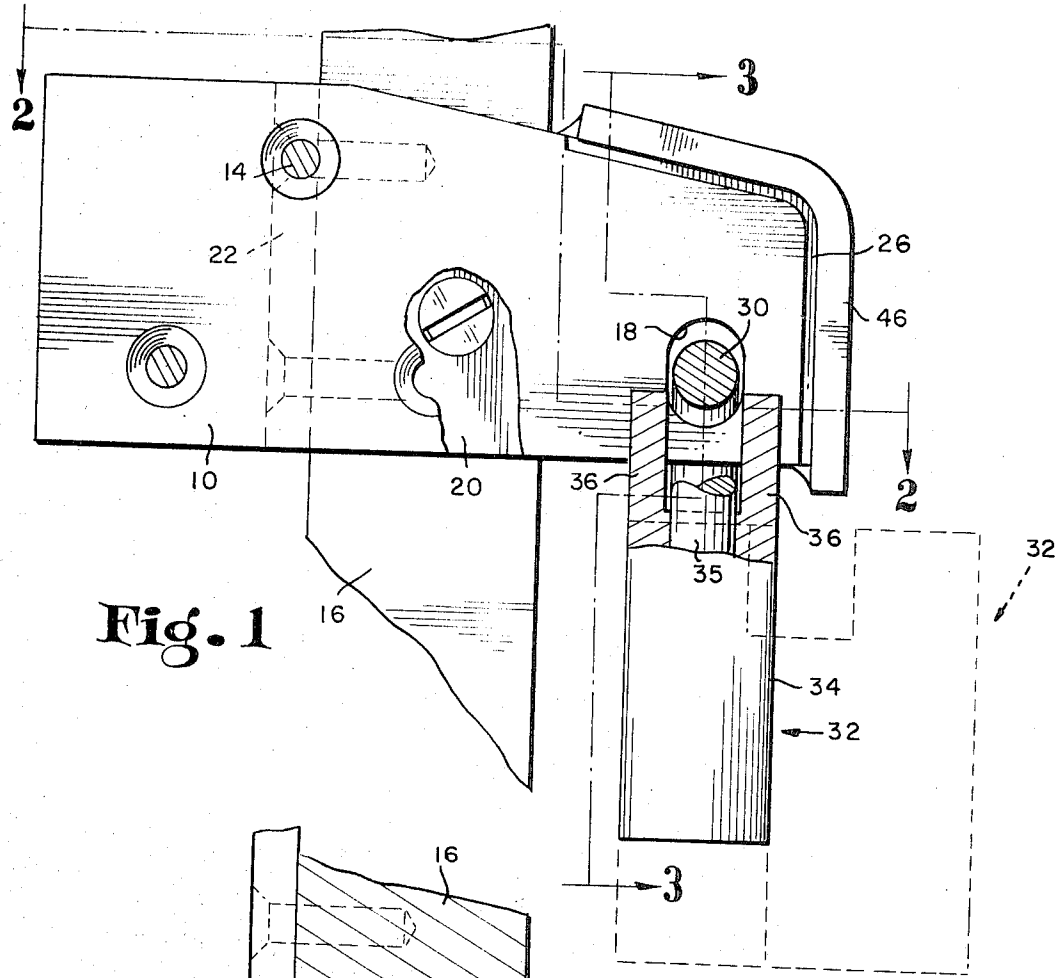


Fig. 1

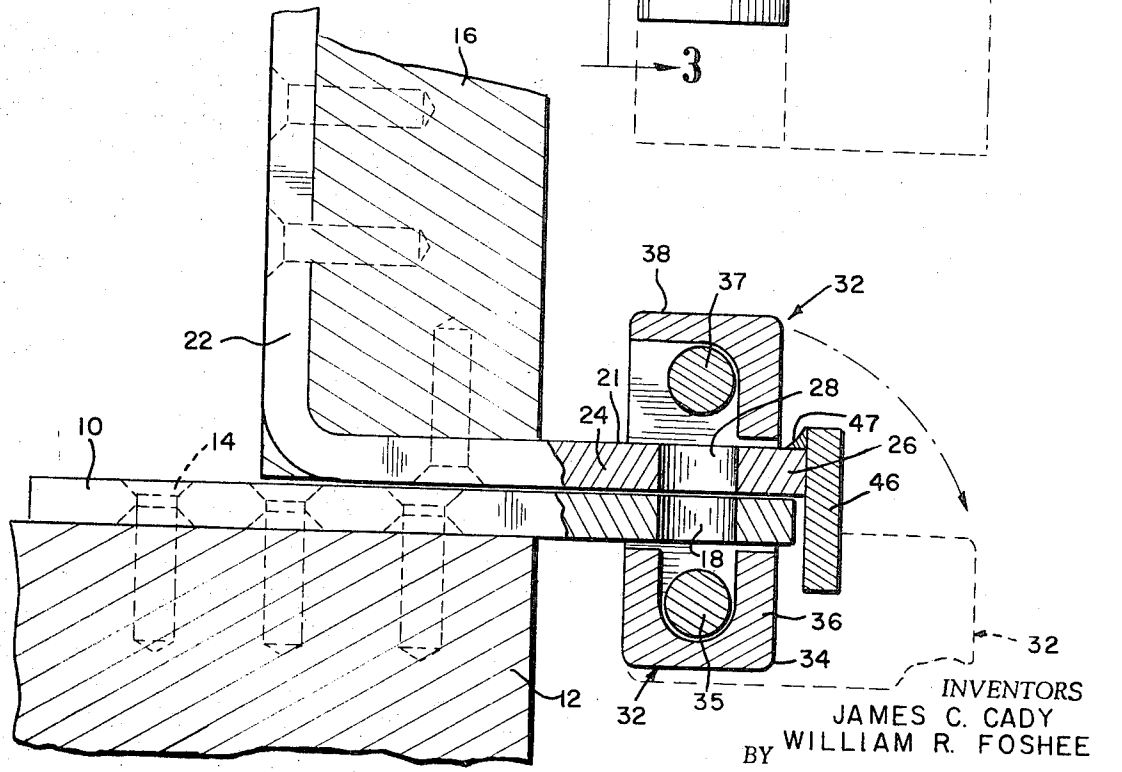


Fig. 2

INVENTORS
JAMES C. CADY
BY WILLIAM R. FOSHEE
Brady, Jenkins & Hawley
ATTORNEYS

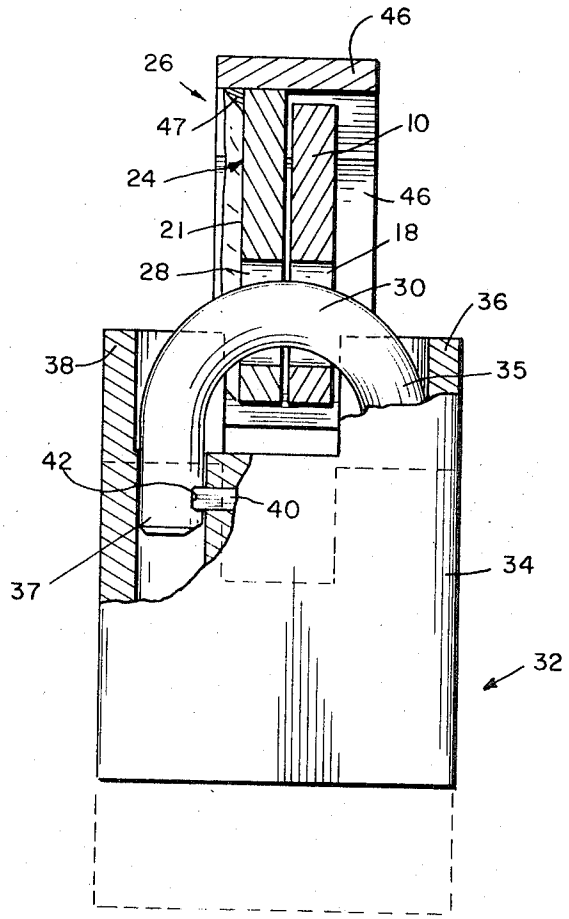


Fig. 3

INVENTORS
JAMES C. CADY
BY WILLIAM R. FOSHEE
Frank Jenkins & Hanley
ATTORNEYS

SECURITY HASP

This invention relates to means for providing improved security in a hasp lock arrangement in which a hasp lies along side a keeper and is locked thereto by a padlock.

The terms "hasp" and "keeper" designate two members used to lock doors and the like, which in locked position lie in face to face relation and are locked against displacement by the shackle of a padlock. Commonly, one element moves parallel to and away from the other when the door is swung open. For convenience we refer to the member which so moves as the hasp, and to the other as the keeper, but the invention may be embodied in equivalent relationship in which the terminology may apply differently. We intend the claims to cover such equivalents.

In locked relationship, the hasp and keeper project in closely spaced parallel relationship and have aligned holes through which the shackle of the padlock extends. For highest security, the padlock case is formed with shrouds which partially surround the exposed portions of the shackle and form a yoke embracing the hasp and keeper from below. In accordance with our invention, the hasp is provided with a hood or guard which extends across the end and upper edge of the keeper and overlaps the shroud portions of the padlock case. Such hood is made of hardened steel or the like and overlies the gap between the hasp and keeper and the gaps between them and the shroud, and thereby shields and protects the lock shackle from access by a saw or other cutting tool.

The accompanying drawings illustrate the invention and show a preferred embodiment exemplifying the best mode of applying the invention. In such drawings;

FIG. 1 is a side elevation of a keeper and hasp embodying the invention, locked together by a shrouded padlock;

FIG. 2 is a horizontal section taken on the line 2—2 of FIG. 1;

FIG. 3 is a vertical section taken on the line 3—3 of FIG. 1.

The embodiment shown comprises a keeper **10** secured to the edge of a door jamb **12** by screws **14** which are concealed when the door is closed. The door **16** carries a hasp member **20** which as shown is an angle member having a rear mounting leg **22** lying against the rear face of the door and a forward leg **24** extending and mortised into the edge of the door and projecting forward in face to face relation with the keeper to form a hasp **26**. The keeper **10** and hasp **26** are provided with aligned holes **18** and **28** through which the shackle **30** of a padlock **32** is passed to lock the two against relative movement.

The padlock **32** has a case **34** which includes a body for housing the lock mechanism and which forms shrouds **36** and **38** which extend upward about the side of the shackle **30**. The shroud **36** about the swiveled leg **35** of the shackle surrounds three sides of that shackle leg **35**, while the shroud **38** about the hook leg **37** of the shackle surrounds only two sides of that leg **37** and leaves an opening for such leg to swing out of the plane of the body when the shackle is in unlocked position. As shown in the sectioned portion of the padlock in FIG. **3**, the hook leg **37** is retained in locked position in the body by a bolt **40** engaged in a notch **42** in the hook leg **37**. A similar bolt (not shown) engages a notch in the swiveled leg **35** of the shackle in a conventional manner.

The upper outer corners of the keeper **10** and hasp **26** are rounded, and the edge of the hasp **26** carries a hood **46**. As seen in FIG. **1**, such hood, extends vertically from a point at or below the lower edge of the shackle and keeper, upward and inward over the top edge of the shackle, to form a shield or guard in front of and above the position of the shackle as it passes through the openings **18** and **28** in the keeper and hasp.

As seen in FIGS. **2** and **3**, the hood **46** projects across the edge of the keeper **10**, and projects outward from the outer face of the keeper **10** and hasp **26** a sufficient distance to overlap the shrouds **36** and **38**. The shackle-receiving holes **18** and **28** are sufficiently close to the hood that its lower end lies in closely spaced relation with the front face of the padlock body **34**. Desirably, the hood is welded to the hasp over the entire length of the hood, conveniently by a weld bead **47** in the corner between such hood and the outer face **21** of the hasp.

In locked relation the parts will have the positions shown and described. The shrouded lock body **34** will form a yoke embracing the keeper and hasp from below, and the shackle will be positioned within the shrouds in position to be largely protected by them. The hood **46** will cover the crack between the keeper and shackle, and will bridge the yoke formed by the shrouded lock body and hence overlie the gaps between the shrouds and the hasp and keeper. Further, the hood will prevent the lock body from being swung forward to expose the shackle from below. The arrangement will effectively protect the shackle from access by a saw or like cutting tool. Also, in the unlikely event that the shackle were cut at one point, the interengagement of the body with the keeper and hasp and the presence of the hood **46** as a stop, would prevent the body **34** from being turned relative to the shackle portion engaged in the openings **18** and **28** as would be necessary to release such shackle portion from its retaining bolt.

When the padlock is unlocked, the shackle is released to permit the body **34** to move downward to the position shown in dotted lines in FIGS. **1** and **3**, which would move the shrouds to a position below the bottom of the keeper and shackle so that such body can be turned on the swiveled leg **35** of the shackle, as shown in dotted lines in FIGS. **1** and **2**. When the body is so turned, the shackle can be removed from the holes **18** and **28**, to release the hasp for movement relative to the keeper and permit the door to be opened. On swinging doors, the hood **46** on the hasp **26** will swing with the door forward away from the end of the keeper **10**. On sliding doors, the hood **46** will slide edgewise with the door, across and away from the keeper **10**.

We claim:

1. A security hasp and keeper device, comprising

a keeper adapted to be mounted on one of a door and jamb in position to project forward therefrom,

a hasp adapted to be mounted on the other of said door and jamb and in closed position to lie along side the keeper in face to face relationship,

aligned holes in the keeper and hasp for the reception of the shackle of a padlock, the lower edges of the keeper and hasp being close below said holes and unobstructed to permit the shackle to embrace the same and the padlock to hang by its shackle in a depending position, a hood on the front and top edges of the hasp and projecting across the end of the keeper and beyond the outer side faces of both the hasp and the keeper to shield the shackle from access by a cutting tool, the lower end of the hood being positioned in the path of forward swinging movement of the padlock body so as to prevent the padlock from being swung forward and upward about the axis of the holes,

in combination with a shrouded padlock having a case forming a lock body which receives the ends of a shackle, said body being provided with shroud walls extending upward along the outer sides and front of the shackle and to a position to underlap the said hood.

2. A security hasp and keeper device comprising

a keeper adapted to be mounted on one of a door and jamb in position to project forward therefrom,

a hasp adapted to be mounted on the other of said door and jamb and in closed position to lie along side the keeper in face to face relationship,

aligned holes in the keeper and hasp for the reception of the shackle of a padlock,

a hood on the front and top edges of the hasp and projecting across the end of the keeper and beyond the outer side faces of the hasp and keeper, and a shrouded padlock having a case forming a lock body which receives the ends of a shackle, said body being provided with shroud walls extending upward along the outer sides and front of the shackle and in underlapping relation with said hood above the lower edges of the hasp and keeper.

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