

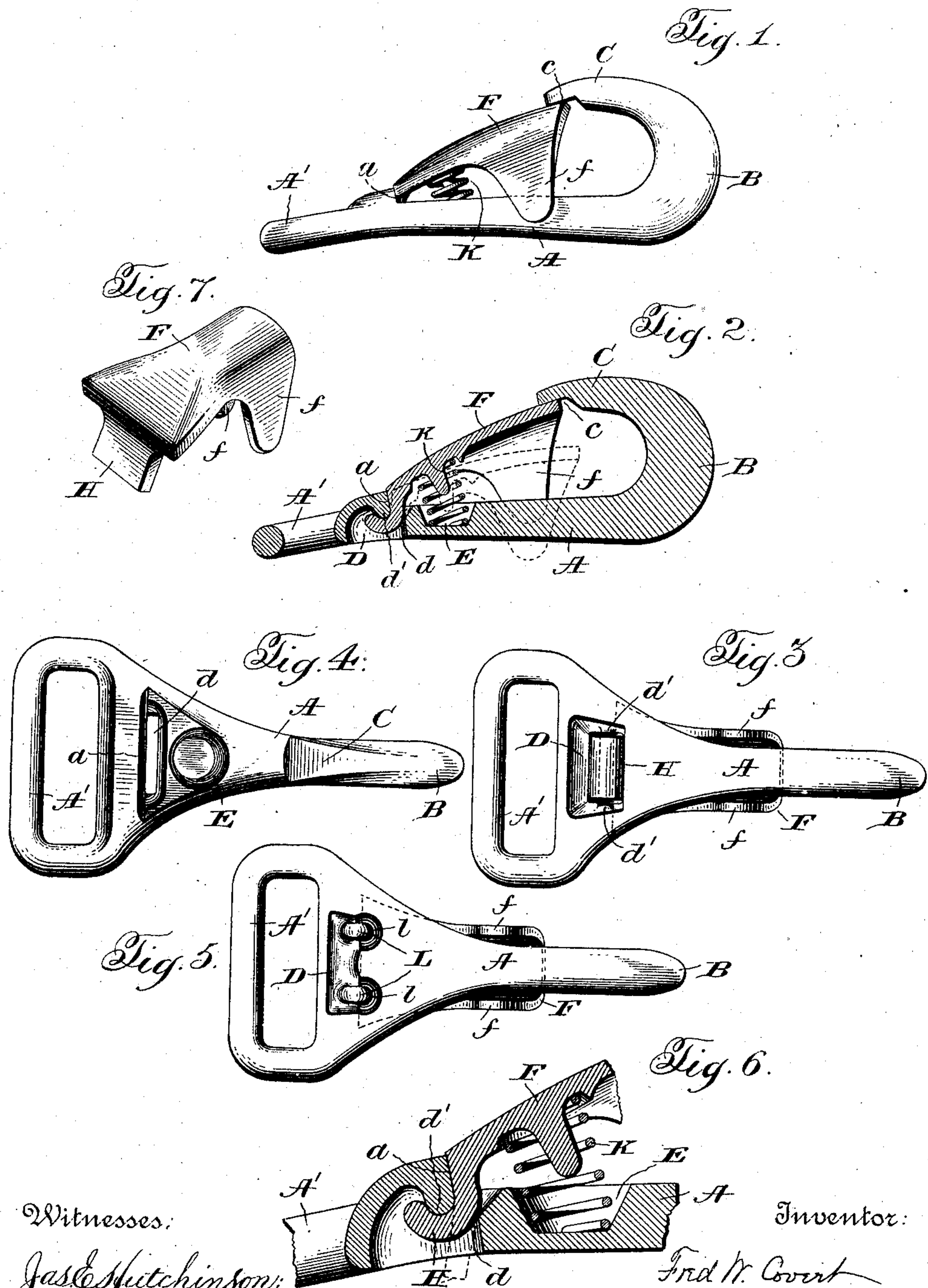
F. W. COVERT.

SNAP HOOK.

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908,842.

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UNITED STATES PATENT OFFICE.

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SNAP-HOOK.

No. 908,842.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed December 10, 1907. Serial No. 405,858.

To all whom it may concern:

Be it known that I, FRED W. COVERT, a citizen of the United States, residing at Watervliet, in the county of Albany and State of New York, have invented certain new and useful Improvements in Snap-Hooks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an improvement in snap hooks and it is embodied in the construction and arrangement of parts presently to be described and defined in the claims.

The invention relates more particularly to an improvement in what is known as pivoted, tongue snap hooks, that is a hook having a pivoted tongue or keeper, which is pressed against the point by a spring positioned between the tongue and body of the hook casting.

The object of the invention is to so construct the parts of the hook that the keeper or tongue and the hook body can be formed by casting, and united readily for relative pivotal movement without the necessity of finishing or inserting journal or pivotal parts or means.

A further object is the provision of a pivotal tongue snap which will have no projecting parts, which can be readily united without machine finishing of parts, and which when the parts are in position can be united with but slight trouble and expense.

Other objects of the invention will be ascertained by reference to the following description.

In the drawings is shown two embodiments of the invention but it is to be understood that variations and modifications can be made without departing from the nature and principle of the invention, as defined in the appended claims.

In the drawings: Figure 1 is a side elevation of a snap hook embodying the invention. Fig. 2 is a longitudinal section thereof. Fig. 3 is a bottom plan view, Fig. 4 is a top plan view of the casting or body part. Fig. 5 is a bottom plan view of a slightly modified form of hinged connection between the tongue and body, Fig. 6 is an enlarged detail section of the hinged joint, and Fig. 7 is a perspective view of the tongue.

A designates the body or casting having the hook part B terminating in the point C having conveniently the usual cut out under por-

tion c. The rear of the body is flared somewhat and terminates in the loop A'. The rear upper face of the body is provided with a shoulder a extending transversely across the same and immediately in advance of this shoulder is an elongated slot d leading down and opening in a recess D formed in the under side of the body. E designates a spring seat cavity in advance of this shoulder.

The tongue F consists conveniently of a casting having depending side ears f at its forward end which loosely embrace the sides of the body at a point between the pivot and the end of the hook. The rear part of the tongue is flared outward to correspond with the width of the body at the shoulder, and is fashioned to fit closely against the shoulder, its upper surface being curved to constitute substantially a continuation of the upper surface of the rear of the body. Extending downward from the extreme end of the tongue is a flat leaf or finger part H, which is designed to loosely fit in the elongated opening d in the body. The lower protruding end of this finger part is bent over back of a rib d' formed in the rear of the slot d in the recess D of the body. By this means the tongue is permitted a swinging or pivotal movement but is held against displacement. In turning the end of the leaf finger down in the rear of the rib d' it will be observed that ample room is left between the same and the bottom of the recess D to allow the end of the tongue to move from the point of the hook to the body. By this means of forming the hinged connection between the tongue and body a very secure coupling is had, and one which does not require the finishing of parts after casting, again the parts are all located within the plane of the sides of the body, and further the only act required after the parts are assembled is the bending down of the end of the leaf extension of the tongue back of the rib, as described.

By forming the ears on the tongue and abutting the end of the tongue against the shoulder the parts are held against the pounding of the ring when in the hook and the ring or clevis is prevented from getting below the tongue. The usual coiled spring K is employed, one end being seated in the spring seat of the body and the other is sleeved on a stem on the underside of the tongue.

In Fig. 5 I have shown a slightly modified

form of leaf or finger, there being two fingers L projecting through two openings l in the body, otherwise the construction is the same as that of the other figures.

5 It may be found convenient and economical in some instances to cast the leaf to fit back of the bar and to thereafter bend the end of the hook over the forward end of the tongue when assembling.

10 Having thus described the invention, what is claimed as new and desired to be covered by Letters Patent is:

1. A pivoted tongue snap hook comprising a body and hook part, the body having an opening extending through the rear part thereof and a rib on the underside thereof in rear of the opening therethrough, a tongue having an extension closely fitting and passing through the opening, the lower end of said tongue lying below and in rear of said rib when the tongue is in its normal position, and a spring for holding said tongue in its normal position.

2. A pivoted tongue snap hook comprising a body having a hook at one end, a recess at the opposite end, a rib in the recess, and an opening leading through the body into the recess in advance of the rib, and a tongue having an extension closely fitting said opening passing therethrough, and extending upwardly in rear of the rib.

3. A pivoted tongue snap hook comprising a body having a hook at one end a cross-shoulder at the rear, and a slot leading through its rear part in advance of the shoulder, a tongue having its rear edge resting normally against the shoulder, and having an extended part passing through and closely fitting said opening and means for securing the extension in the opening.

4. In a pivoted tongue snap hook the combination with a body part having an opening therethrough at its rear, a cross rib in the rear of this opening, of a tongue having an extension closely fitting said opening and extending therethrough and having its lower end bent around in the rear of said rib when

the tongue is in its normal position, and a spring between the body and tongue.

5. A snap hook comprising a body having a hook at the forward end thereof and an opening extending therethrough adjacent the rear end thereof, a tongue having its forward end underlying the hook point and its rear end extended laterally beyond the ends of the opening in the body part and provided with an extension extending downwardly through said opening, and means for securing the extension in said opening whereby the tongue is permitted a pivotal movement only.

6. A pivotal snap hook comprising a body having a hook at one end, a cross shoulder at the rear end and an opening leading through its rear part in advance of the shoulder, a rib on the under side of the body in rear of the opening therethrough, a tongue provided adjacent the rear end thereof with a shoulder resting normally against the cross shoulder on the body and with an extension passing through and closely fitting the opening in the body, the lower end of said extension lying below and in rear of said rib when the tongue is in its normal position.

7. A snap hook comprising a body having a hook at the forward end thereof and an opening therethrough adjacent the rear end thereof, a rib on the under side of the body in rear of the opening therein, a tongue having its forward end underlying the hook part and provided at its rear end with a securing extension extending downwardly through the opening, said extension being adapted to bear against the front wall of the opening and bent to engage the rib, whereby the tongue is permitted a pivoted movement only, and a spring interposed between the tongue and body.

In testimony whereof I affix my signature in presence of two witnesses.

FRED W. COVERT.

Witnesses:

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