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J. B. CALVERT.

SNAP HOOK.

APPLICATION FILED MAY 13, 1907.

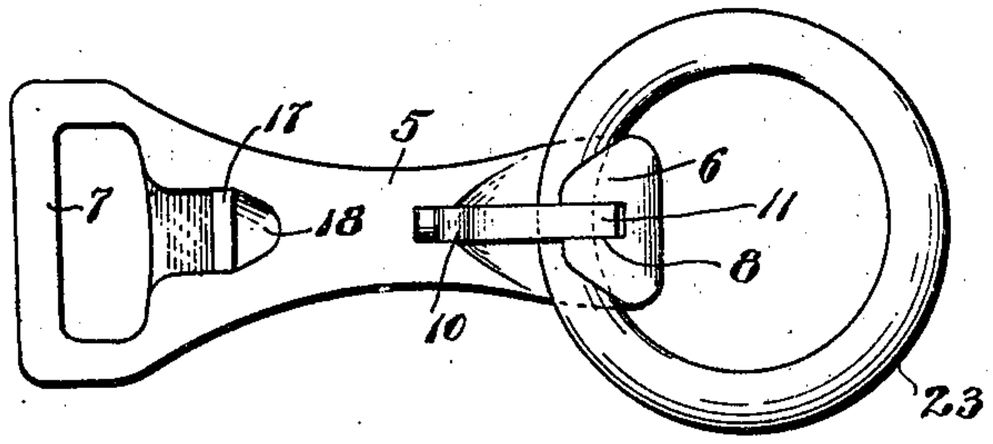

Fig. 1.

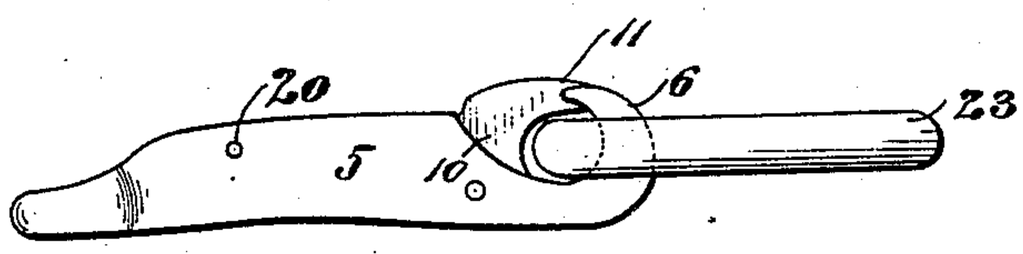

Fig. 2.

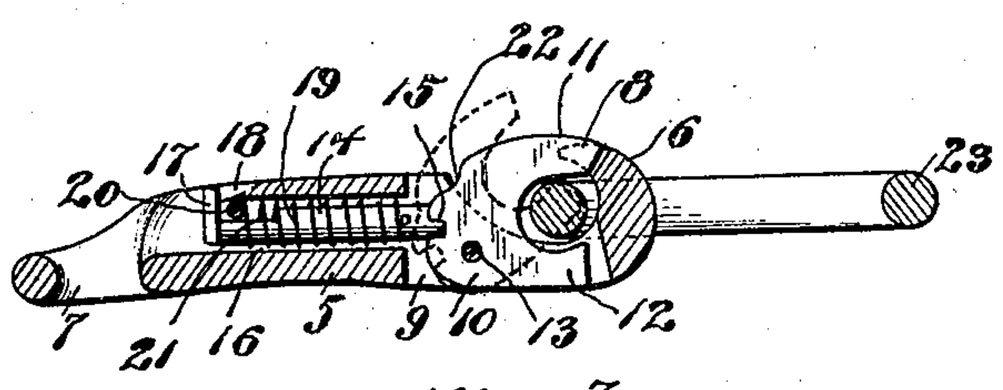

Fig. 3.

Witnesses

Arthur Wesley.

M. A. Schmidt.

Inventor

Jno. B. Calvert.

By Miller, Stevenson & Co.

Attorneys

UNITED STATES PATENT OFFICE.

JOHN B. CALVERT, OF GUTHRIE, OKLAHOMA.

SNAP-HOOK.

No. 896,084. Specification of Letters Patent. Patented Aug. 18, 1908.

Application filed May 13, 1907. Serial No. 373,227.

To all whom it may concern:

Be it known that I, JOHN B. CALVERT, a citizen of the United States, residing at Guthrie, in the county of Logan, Oklahoma, have invented certain new and useful Improvements in Snap-Hooks, of which the following is a specification.

This invention relates to snap-hooks, and more particularly to the locking device for the hook-closure, the object of the invention being to provide an anti-rattling lock, and also one which is simple in construction and which will effectually serve the purpose for which it is intended.

In the accompanying drawing, Figure 1 is a plan view of the invention. Fig. 2 is a side elevation thereof, and Fig. 3 is a longitudinal section.

Referring specifically to the drawing, 5 denotes the shank and 6 the bill of the hook. The shank has the usual eye 7 for receiving the strap or other object to which the hook is attached. The tip of the bill has a slot 8, and adjacent the bill the shank has a slot 9.

The mousing for closing the hook comprises a rotatable disk or flat plate 10 having projecting tongues 11 and 12 respectively. The disk is pivoted at 13 in the slot 9.

The lock for the mousing is a longitudinally sliding spring-bolt 14 which engages a notch 15 in the periphery of the disk 10. The shank 5 has a longitudinal recess 16 extending from the end adjacent the eye 7 and communicating with the slot 9, in which recess the spring-bolt 14 is mounted. The outer end of the spring-bolt is bent up and extends to the outside of the recess to form a finger piece 17 by which the spring-bolt may be operated. The shank 5, adjacent the finger piece, has a nick 18 to facilitate access to the latter. The spring 19 which actuates the bolt by pressing it forwardly into locking position, is coiled around the same, and one end of the spring is fastened to the bolt while the other end abuts against a pin 20 passing through the recess 16 and through a notch 21 in the bolt. The length of the notch is such that the bolt can be moved sufficiently to release the mousing but its entire withdrawal is prevented by the pin 20.

Above the deep notch 15 is another shallow notch 22 which is engaged by the spring-bolt when the disk is in unlocked position whereby it is held in this position. The shape of this notch is such that when the disk swings down to close the hook, the spring-bolt will be automatically forced rearwardly until it is in line with the notch 15 into which it then snaps.

In locking position the tongue 11 connects the shank and the bill of the hook and extends into the slot 8 thus entirely closing the hook. By passing the tongue into the slot as stated, the mousing is held rigid and prevented from rattling. The tongue 12 enters the slot 9. The parts are securely locked in this position by the spring-bolt.

In the drawing, the snap is shown applied to a ring 23. To release said ring, the bolt is withdrawn from the notch 15 which unlocks the disk 10 and permits it to be swung on its pivot to withdraw the tongue 11 from the bill as shown by dotted lines in Fig. 3, in which position the hook is open and the ring can be readily removed therefrom. The mousing is held in this position by the engagement of the bolt with the notch 22 as herein described. In this position the tongue 12 projects from the slot 9, so that upon placing the ring within the hook against said tongue and giving the ring a pull downwardly, the disk 10 is turned on its pivot into locking position, and the bolt snaps into the notch 15.

The locking device herein described has no complicated parts to get out of order, there are no loose parts to rattle, and it can be readily and cheaply manufactured.

I claim—

A snap hook comprising a slotted and recessed shank and a notched bill, a disk pivoted in the slot opposite the bill and having inner and outer projecting tongues, of which the latter is engageable in the said notch, when the disk is in closed position, and also having a deep notch and a shallow notch in its rear edge, and a sliding spring-catch mounted in the recess and engageable in the deep notch when the disk is in closed position and in the shallow notch when it is in open position.

J. B. CALVERT.

Witnesses:
H. F. ARDERY,
F. A. ASHTON.