No. 773,233. PATENTED OCT. 25, 1904.

J. B. SMITH.

BACK BAND BUCKLE.

APPLICATION FILED APR. 12, 1904.

NO MODEL.

Fig. 1.

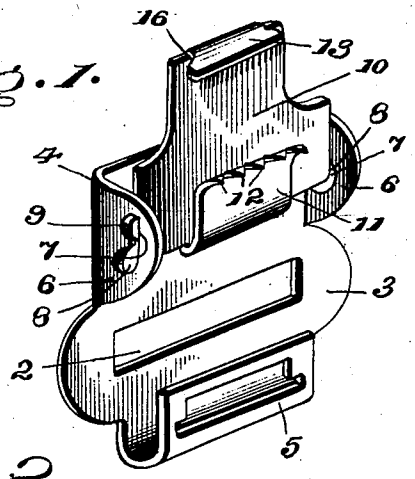


Fig. 2.

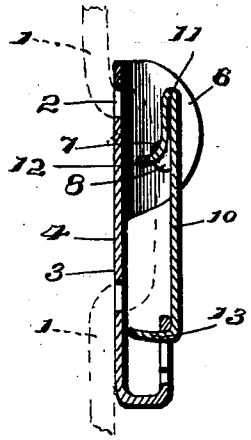


Fig. 3.

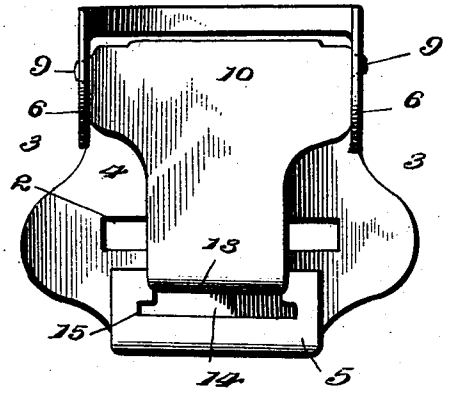
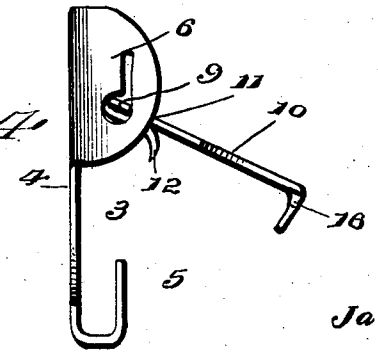


Fig. 4.



Witnesses

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No. 773,233. Patented October 25, 1904.

UNITED STATES PATENT OFFICE.

JAMES B. SMITH, OF SAN SABA, TEXAS.

BACK-BAND BUCKLE.

SPECIFICATION forming part of Letters Patent No. 773,233, dated October 25, 1904.

Application filed April 12, 1904. Serial No. 202,839. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. SMITH, a citizen of the United States, residing at San Saba, in the county of San Saba and State of Texas, have invented certain new and useful Improvements in Back-Band Buckles, of which the following is a specification.

This invention relates to that type of back-band buckles embodying the usual supporting-frame upon which is mounted the latch member by which the adjustment of the buckle is made in varying the position of the trace which is engaged and supported by the buckle.

The principal feature of the invention resides in the peculiar mounting of the latch device upon the frame of the buckle and in the provision of specially-devised lock means, whereby the latch is held in its operative position.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a buckle embodying my invention, the latch member being thrown open to show more clearly the exact structure of the parts. Fig. 2 is a sectional view showing the manner of securing the buckle to the back-band. Fig. 3 is a plan view of the buckle, the latch being shown locked in operative position. Fig. 4 is a side elevation.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In the drawings, the numeral 1 designates the back-band, which is passed through transversely-disposed slots 2 in the base of the buckle-frame 3. The buckle-frame 3 consists of a base-plate 4, which is provided with the slots 2 above mentioned, a hook 5 being projected from one end of the plate 4 to support the trace, which is engaged therewith in the usual manner. In engaging the track a link of the same, if a chain trace is used, may be engaged with the hook 5. Extended outwardly from the plate 4 of the frame of the buckle and at the side portions thereof are disposed extensions 6, integrally formed with the base-plate, said extensions being provided with slots 7. The slots 7 are enlarged at corresponding ends, as shown at 8, to form bearings receiving journals 9 of the latch member 10. The latch 10 is provided with an engaging member 11, which is preferably formed by bending the portion of the body of the latch against the under side thereof, as shown most clearly in Fig. 1. The engaging member 11 is provided with a plurality of engaging teeth 12, the form of said engaging teeth being susceptible of modification dependent upon the material from which the back-band is made. For instance, should the back-band be of the usual construction commonly employed the teeth 12 are preferably sharp, as illustrated in the drawings. However, when the buckle is used in connection with leather back-bands it is found best that the teeth 12 be made blunt.

The peculiar lock means used in connection with the latch 10, so as to prevent displacement of the trace from the hook 5, is also utilized to positively hold the latch in such a position that the same fixes the adjustment of the buckle upon the back-band by holding the engaging member 11 thereof in engagement with the said back-band. The lock means consists of a lock member 13, which constitutes an angular integral extension of the end portion of the latch, and this lock member 13 is adapted to coöperate with the hook 5 in the practical use of the invention. The hook 5 is provided with a slot 14, extending from the end portions of which are notches 15, which merge into the slot, as will be readily noted. The length of the lock member 13 is substantially the same as the length of the slotted and notched portions 14 and 15 of the hook 5 in order that the lock member may be passed through the hook member in its locking cooperation therewith. The lock member 13 is likewise provided in its ends with notches 16,

and the width of that portion of the lock member between the notches 16 is designed to be substantially the same as the length of the slot 14 of the hook 5, so that when the lock member has been passed through the hook 5 by a pivotal movement of the latch 10 a slidable movement may be imparted to the latch to cause the end portions of the lock member to engage beneath the hook 5. The slidable movement of the latch member causes the journals thereof to move in the slots 7 of the extensions 6. When the lock member is engaged with the hook 5, the engaging member 11 of the latch 10 positively engages the back-band to fix the buckle at the necessary adjustment thereon, and the weight of the trace which has been previously engaged with the hook 5 pulling upon the frame of the buckle tends to hold the latch engaged with the hook. The tendency of the weight of the trace to hold the latch engaged with the hook 5 is due to the upward pulling force of the back-band as regards the engaging member 11, such pulling force serving to hold the latch, with the journals thereof, in the slots 7.

The buckle, as hereinbefore described, is very simply constructed, comprising two parts, essentially, which may be stamped from sheet metal of suitable form in like manner.

Having thus described the invention, what is claimed as new is—

1. In a back-band buckle, the combination of a frame, a hook, a latch pivotally and slidably mounted upon the said frame, an engaging member projected from the latch, and interlocking means between the latch and hook.

2. In a back-band buckle, the combination of a frame, a hook projected from the frame and provided with a slot, a latch mounted upon the frame, a lock member carried by the latch and adapted to be received in the slot of the hook to interlock with said hook.

3. In a back-band buckle, the combination of a frame, a hook projected from the frame and provided with a slot, a latch pivotally and slidably mounted upon the frame, a lock member extended from the latch and adapted to be received by the slotted portion of the hook by a pivotal movement of said latch, said lock member being adapted to interlock with the hook by a slidable movement of said latch.

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

JAMES B. SMITH. [L. S.]

Witnesses:
W. A. SMITH,
R. W. BURLESON.