

No. 712,955.

Patented Nov. 4, 1902.

L. A. PARSLEY.
HARNESS SNAP.

(Application filed Apr. 28, 1900.)

(No Model.)

Fig. 1.

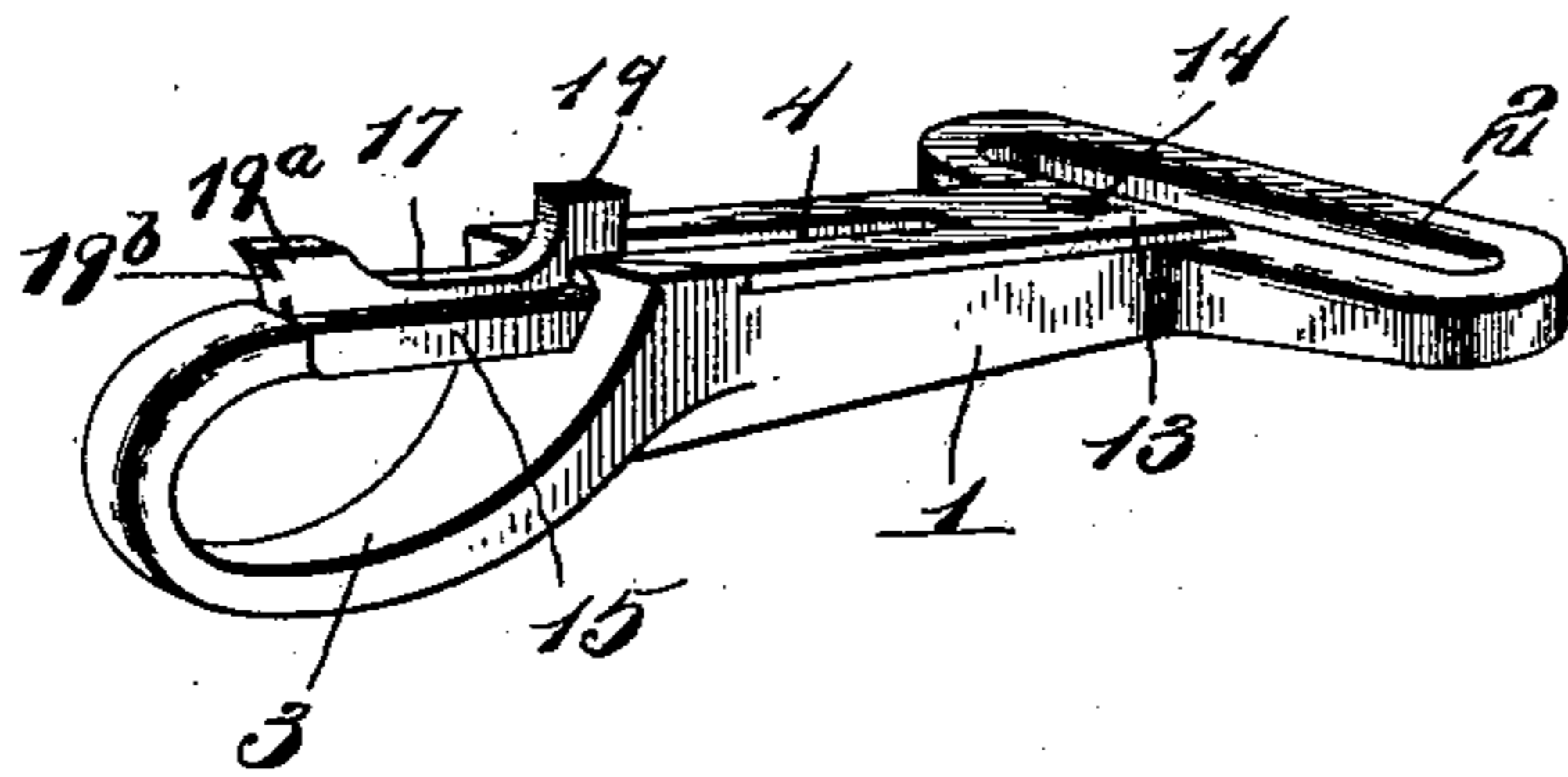


Fig. 2.

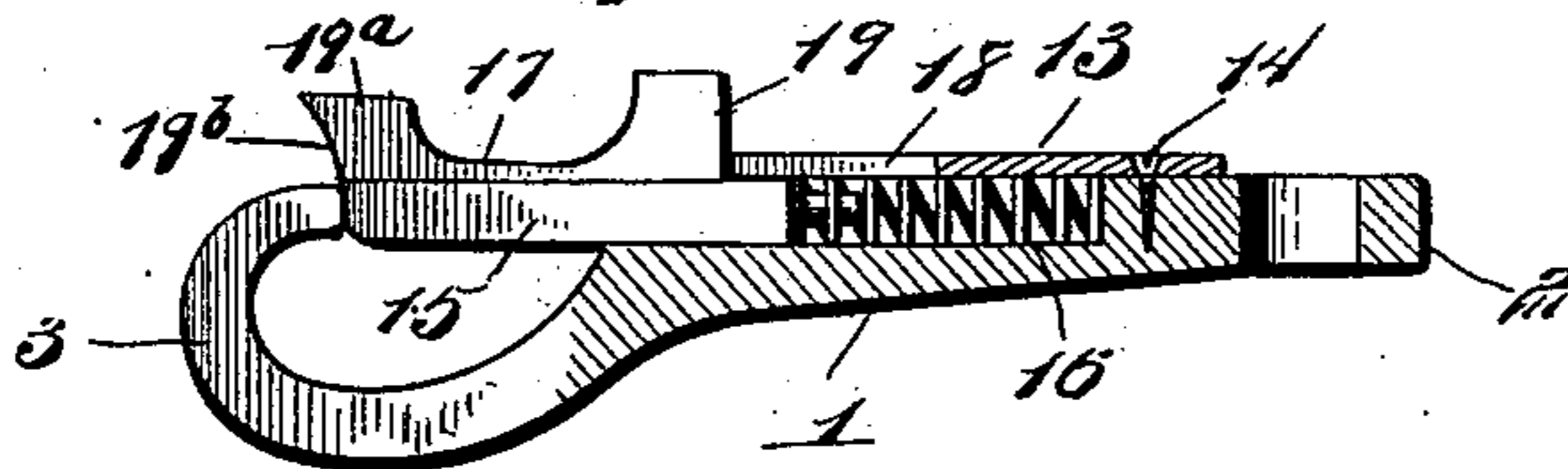


Fig. 3.

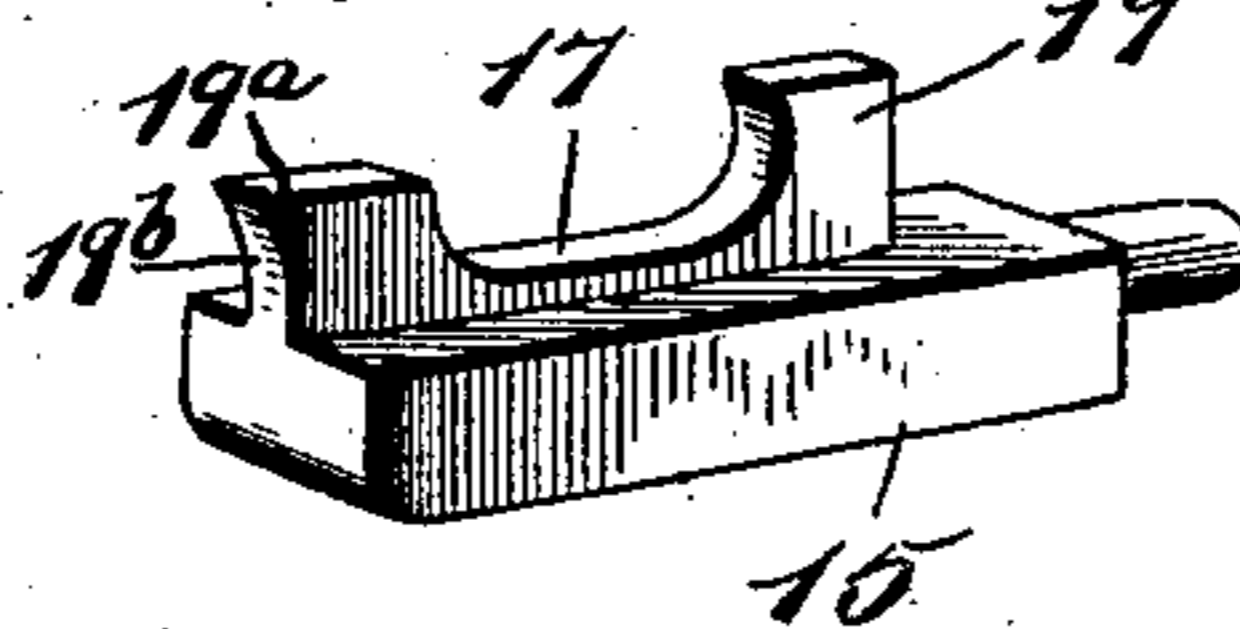


Fig. 4.

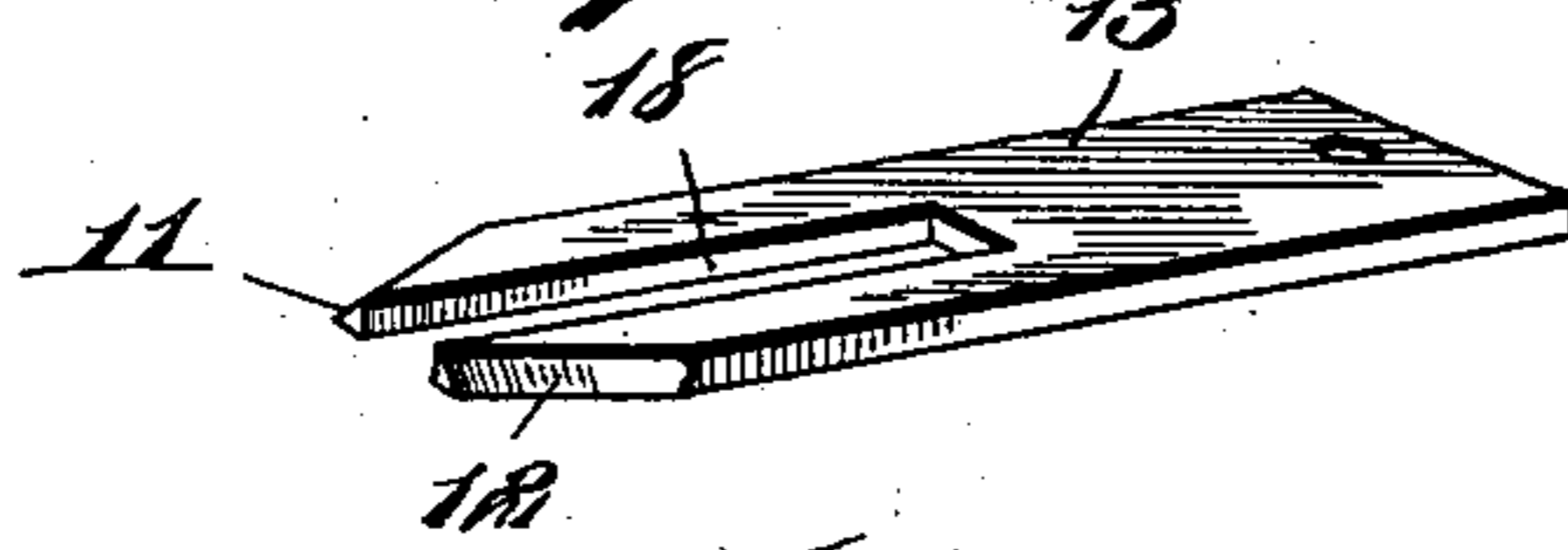


Fig. 5.



Witnesses

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HARNESS-SNAP.

SPECIFICATION forming part of Letters Patent No. 712,955, dated November 4, 1902.

Application filed April 28, 1900. Serial No. 14,775. (No model.)

To all whom it may concern:

Be it known that I, LEWIS A. PARSLEY, a citizen of the United States, residing at McKenzie, in the county of Burleigh and State of North Dakota, have invented new and useful Improvements in Harness-Snaps, of which the following is a specification.

This invention relates generally to snap-hooks, but more particularly to that class known as "sliding-bolt" snap-hooks; and the object thereof is to provide an improved article of the character described which will better answer the demands of the trade than those now in use.

Having this object in view, my invention consists in the peculiar construction and combination of parts, all of which will be fully described hereinafter, definitely claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the invention, showing the parts assembled. Fig. 2 is a vertical longitudinal section. Figs. 3 and 4 are detail perspective views of the bolt and the securing-plate, respectively; and Fig. 5 is a fragmentary view of the barrel of the hook, showing the upwardly-projecting lugs on an enlarged scale.

The barrel 1 of the snap-hook is provided on one end with a cross-loop 2 and at the other with a hooked portion 3. The upper faces of the barrel, loop, and hook are in the same plane. The upper face of the barrel is cut away longitudinally to form a groove 4, rectangular in cross-section, and at the extreme forward end of the flat-edged walls 5 and 6 are formed two upwardly-extending lugs or projections 7 and 8, beveled diagonally on their inner ends and sides, as shown at 9 and 10, providing undercuts to receive chamfered or beveled wedge-shaped ends 11 and 12 of the slotted securing-plate 13, so that when the said ends 11 and 12 of the plate are engaged with the above-mentioned lugs it can be securely fastened to the barrel 1 by a single screw or rivet 14 and efficiently retain the sliding bolt 15 and its actuating-spring 16 in proper position. The surface of the bolt 15 is flush with the face of the barrel, loop, and hook and is provided along its top with a longitudinally-arranged guiding-rib 17, which works in the slot 18 of the plate 13, and this rib is cut away intermediate of its ends to form at its rear extremity a head or button 19,

to be engaged by the finger of the operator to withdraw the bolt from contact with the free end of the hook 3, and to provide at its front extremity a head or button 19^a as additional means for operating the bolt. It will also be noticed that the forward end 19^b of the rib is curved inwardly and lies on a plane above that of the upper face of the hook, so as to facilitate its engagement with a ring or other body, it being obvious that it will not be necessary to withdraw the bolt in order to place the snap-hook in engagement with the ring, but merely to force said ring against the curved end of the rib, and it will be guided into engagement with the hook. The coil-spring 16, which abuts against the rear end of the bolt and surrounds the inwardly-extending pin projecting therefrom, will propel said bolt back to its proper position.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a snap-hook, the combination with the barrel having at one end a transverse loop, the opposite end provided with a hook, said barrel having a rectangular recess therein, of a rectangular spring-actuated bolt having its rear end mounted in the barrel with its forward end projecting over the body of the hook, a guide-rib formed centrally and longitudinally on the upper surface of the bolt with upwardly-extended projections at opposite ends thereof, and having a curved portion between said projections, a plate secured to the upper edge portions of the barrel having slotted forked arms overhanging the recess in the barrel whereby to coact with the upper surface portions of the bolt on opposite sides of the rib, and with the opposite side edges of the rib when the bolt is forced into said recess of the barrel, the curved portion of the rib permitting the operation of the bolt by the rear projection thereof, and the said front projection of said rib having its front face portion curved inwardly so as to permit of a ring or link being forced and inclosed within the body of the hook, substantially as specified.

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

LEWIS A. PARSLEY.

Witnesses:

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