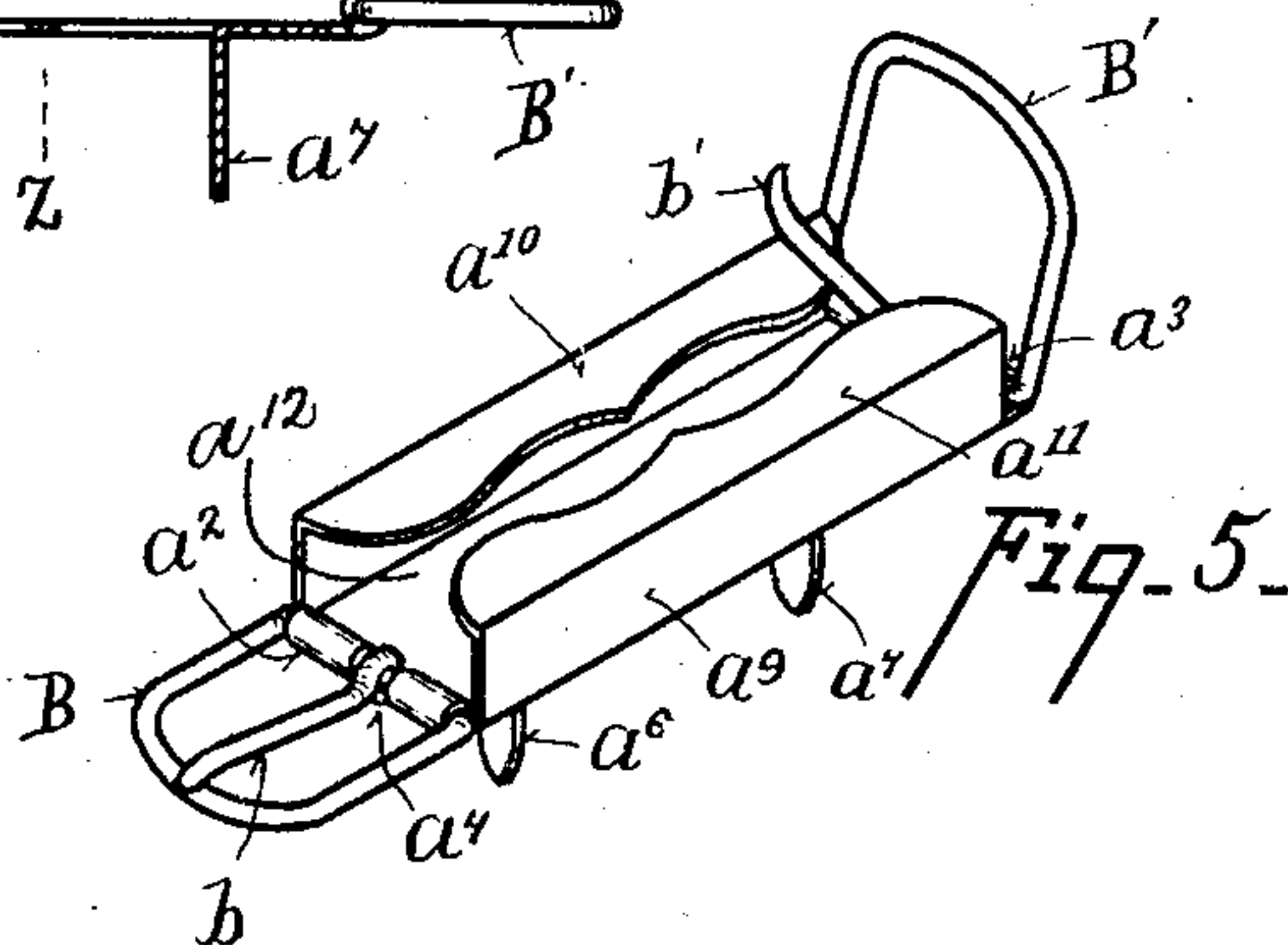
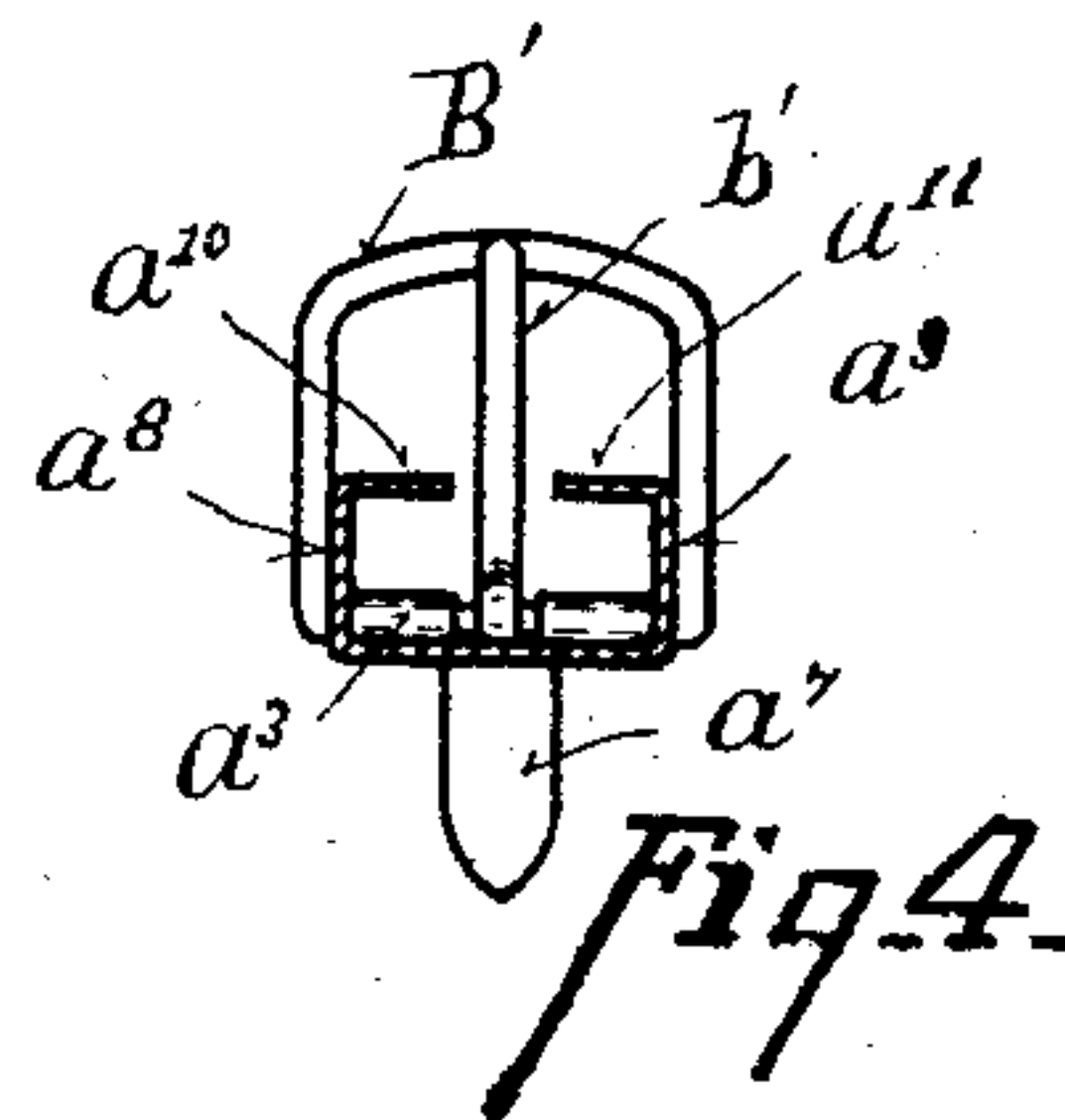
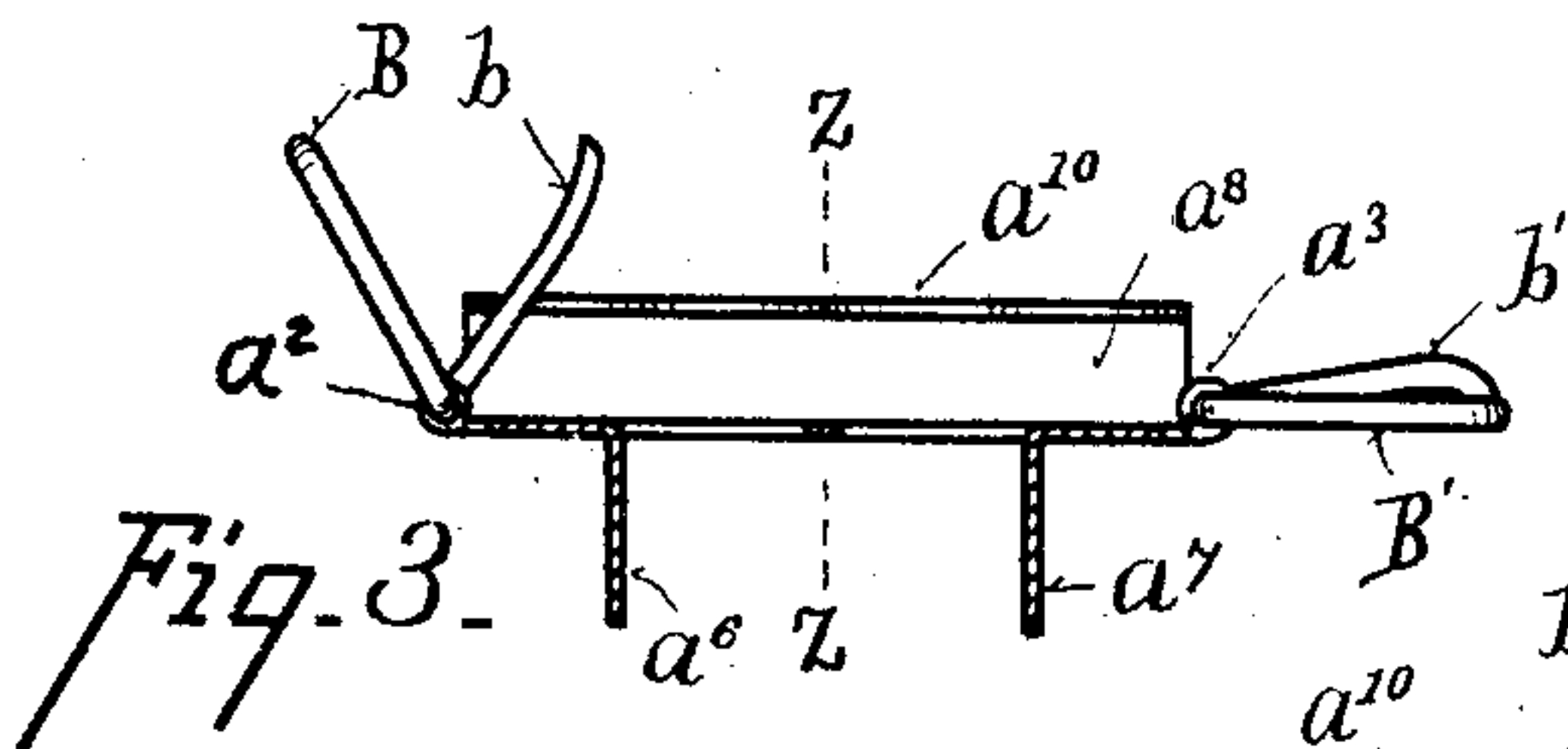
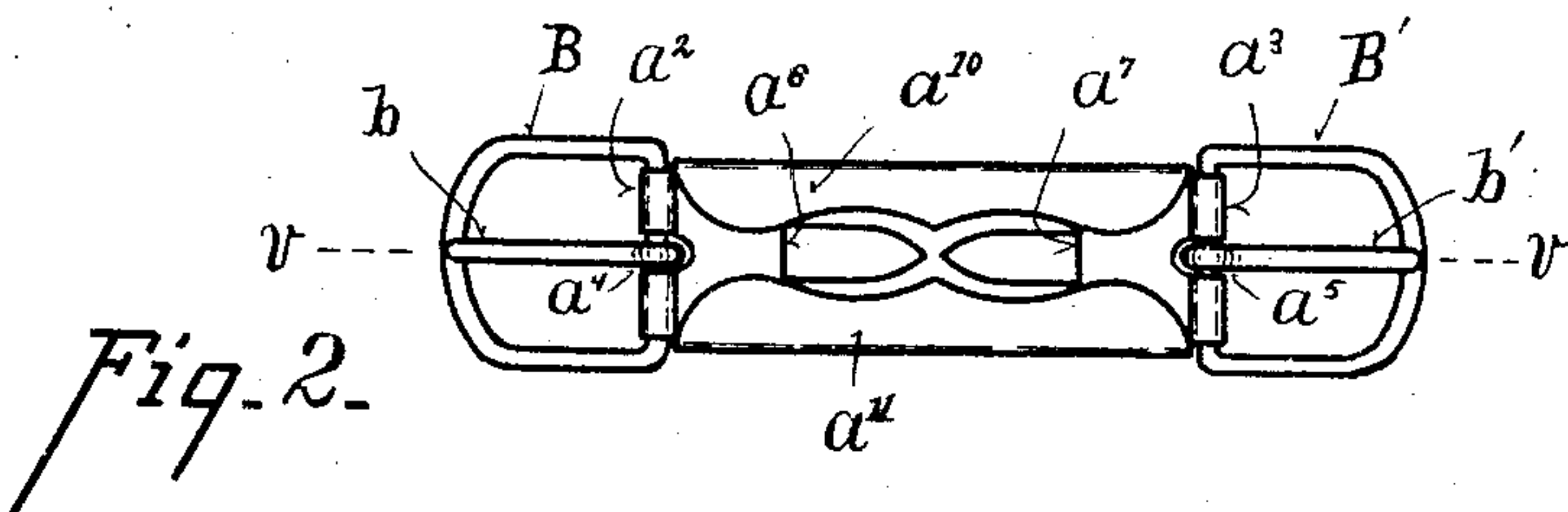
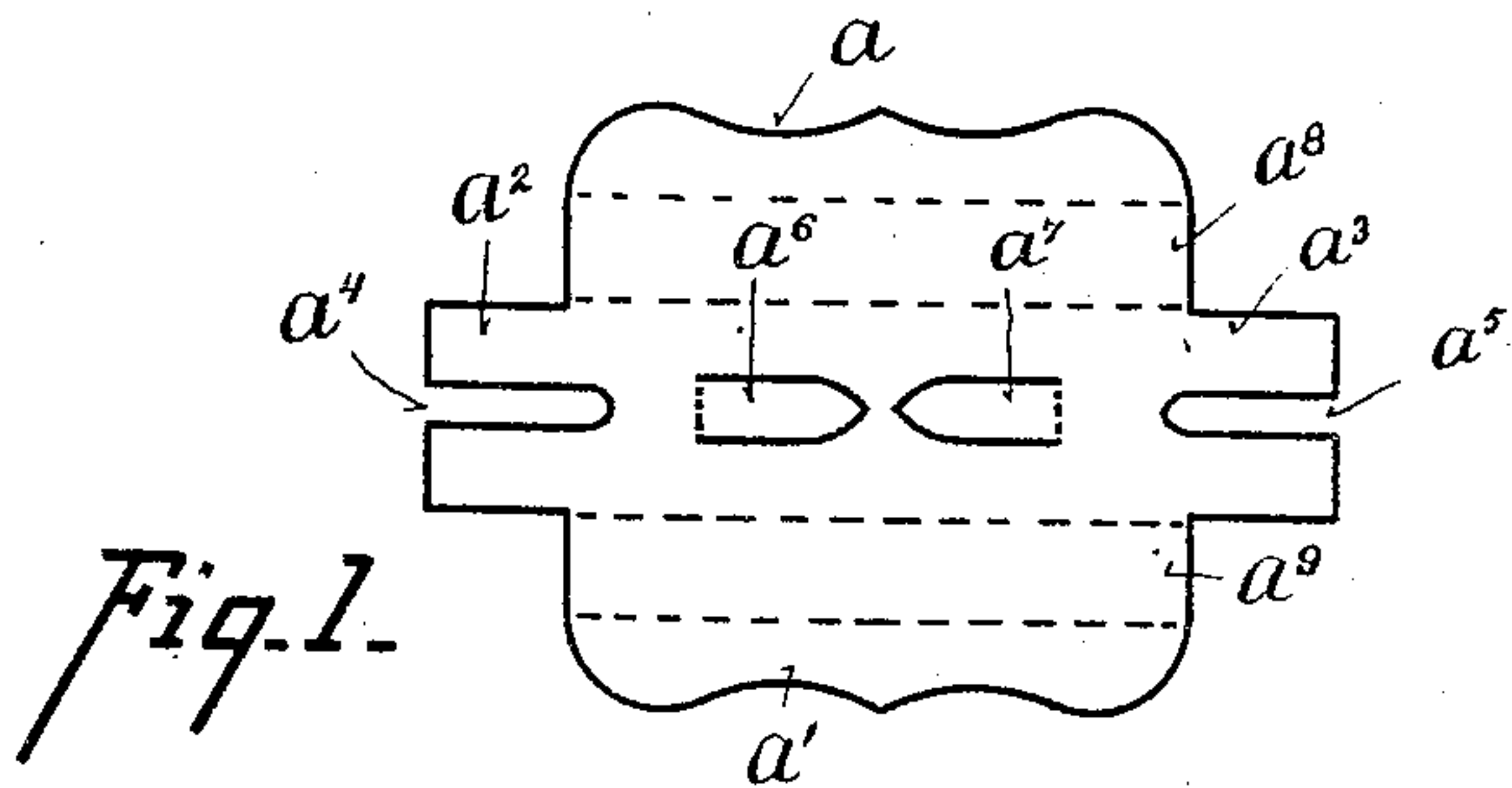


F. A. NEIDER.
BOX LOOP FOR CARRIAGE TOPS.
APPLICATION FILED DEC. 4, 1902.



Witnesses
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UNITED STATES PATENT OFFICE.

FRED A. NEIDER, OF AUGUSTA, KENTUCKY.

BOX-LOOP FOR CARRIAGE-TOPS.

SPECIFICATION forming part of Letters Patent No. 779,866, dated January 10, 1905.

Application filed December 4, 1902. Serial No. 133,872.

To all whom it may concern:

Be it known that I, FRED A. NEIDER, a citizen of the United States of America, and a resident of Augusta, county of Bracken, State of Kentucky, have invented certain new and useful Improvements in Box-Loops for Carriage-Tops, of which the following is a specification.

My invention relates to box-loops; and its object is a loop made from a single piece of metal in which the bearings of the buckles are firm, their position more convenient in use, the spurs for securing the loop to carriage-top more firm, and in which the expense of manufacturing the article is lessened.

Referring to the accompanying drawings, Figure 1 is a plan view of a metal blank from which the loop is to be formed. Fig. 2 is a plan view of the loop embodying my invention. Fig. 3 is a sectional view upon line *vv* of Fig. 2, showing one of the buckles in a raised position. Fig. 4 is a sectional view taken upon line *zz* of Fig. 3. Fig. 5 is a detail perspective view of the loop embodying my invention.

Referring to the parts, the blank from which the loop is to be formed consists of a longitudinal piece of metal having ornamental edges *a a'* upon its sides and projecting ears *a² a³* of a width equal to the width of the loop in its completed form upon its ends, the ears having longitudinal slots *a⁴ a⁵* extending for a short distance into the body of the blank. The blank has centrally-located spurs *a⁶ a⁷* struck downward therefrom, which are to be used for securing the loop to the carriage-top. The loop is formed by bending up the metal about longitudinal lines connecting the edge of the ears, as indicated in dotted line, Fig. 1, at right angles to form the sides *a⁸ a⁹* of the loop and then bending the edges adjacent to the ornamental edges inward parallel to the bottom to form the top *a¹⁰ a¹¹* of the loop, leaving a central longitudinal slot *a¹²* between the ornamental edges *a a'*. The buckles *B B'* are secured in place by rolling ears *a² a³* up over them, as shown in Fig. 3, slots *a⁴ a⁵* leaving an opening for the tongues *b b* of the buckles. The sides and the top of the loop being thus formed by turning the edges of

the blank upward, the bottom of the loop is formed from a solid piece of metal. The bearings for the buckles formed in its ends therefore are firm, as are also the fasteningspurs struck downward therefrom. The slot left between the upper inturned edges in the top of the loop furnishes a convenient way into which to push the tongues of the back-turned buckles for convenience in coupling a strap thereto. By making ornamental edges upon the blank an ornamental top is given to the completed loop.

What I claim is—

1. A box-loop having bars bent upward and inward to form the sides and top of the loop, leaving the center to form the bottom thereof, bearings formed in the bottom, and buckles seated in the bearings, substantially as shown and described.

2. A box-loop having its sides and top bent upward and inward from the bottom thereof, and leaving a longitudinal slot in the top between the inturned edges, bearings formed in the bottom, and buckles seated in the bearings, substantially as shown and described.

3. A box-loop having its sides and top bent upward from the bottom thereof, and having rolled bearings at the ends of the bottom and formed integral therewith to seat buckles, and buckles seated in the bearings, the tongues of the buckles being above the frames thereof substantially as shown and described.

4. A box-loop having bars bent upward and inward to form the sides and top of the loop, leaving the center to form the bottom thereof, spurs struck downward from the bottom, bearings formed in the bottom, and buckles seated in the bearings, substantially as shown and described.

5. A box-loop having a longitudinal slot in its top and having buckles seated in the loop so that their tongues may be made to register with the slot when turned back, substantially as shown and described.

FRED A. NEIDER.

Witnesses:

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