

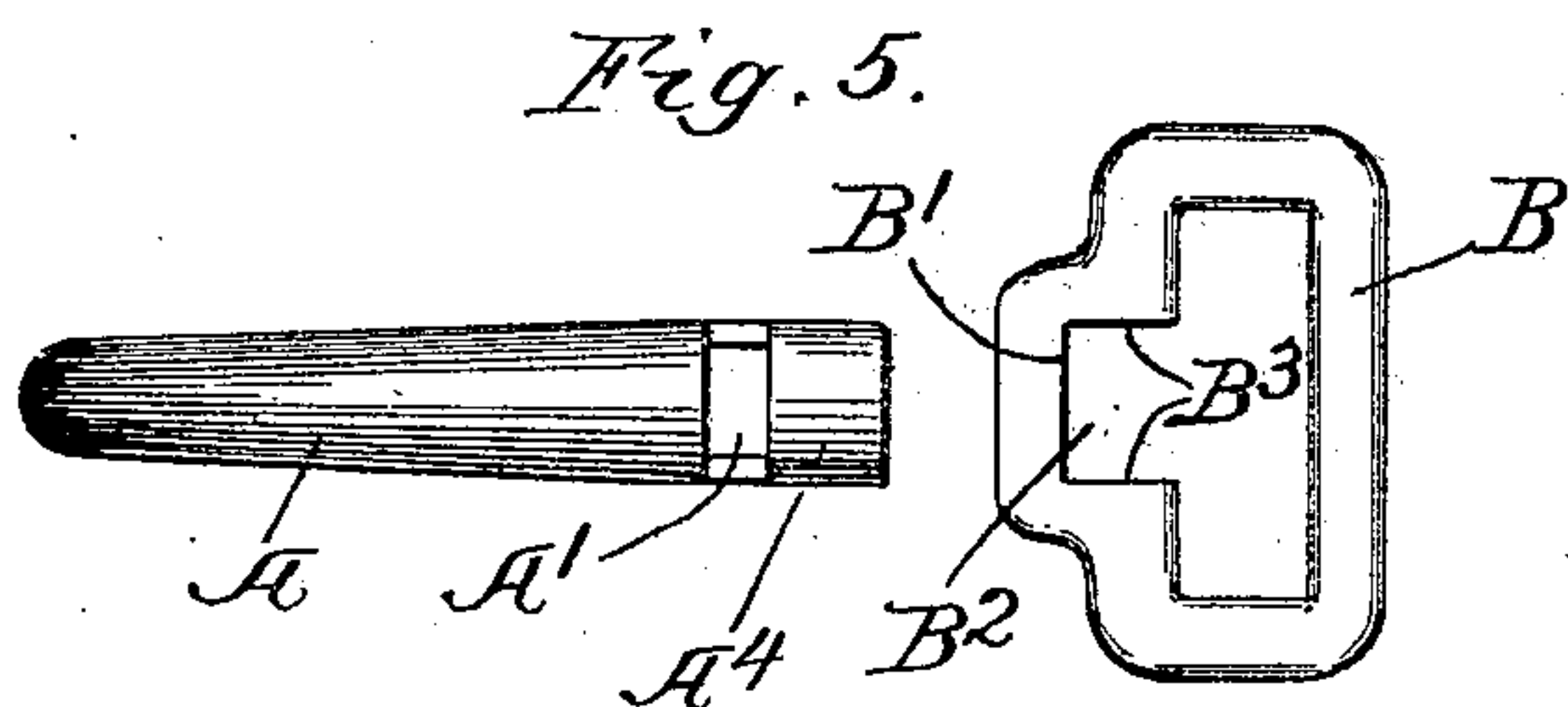
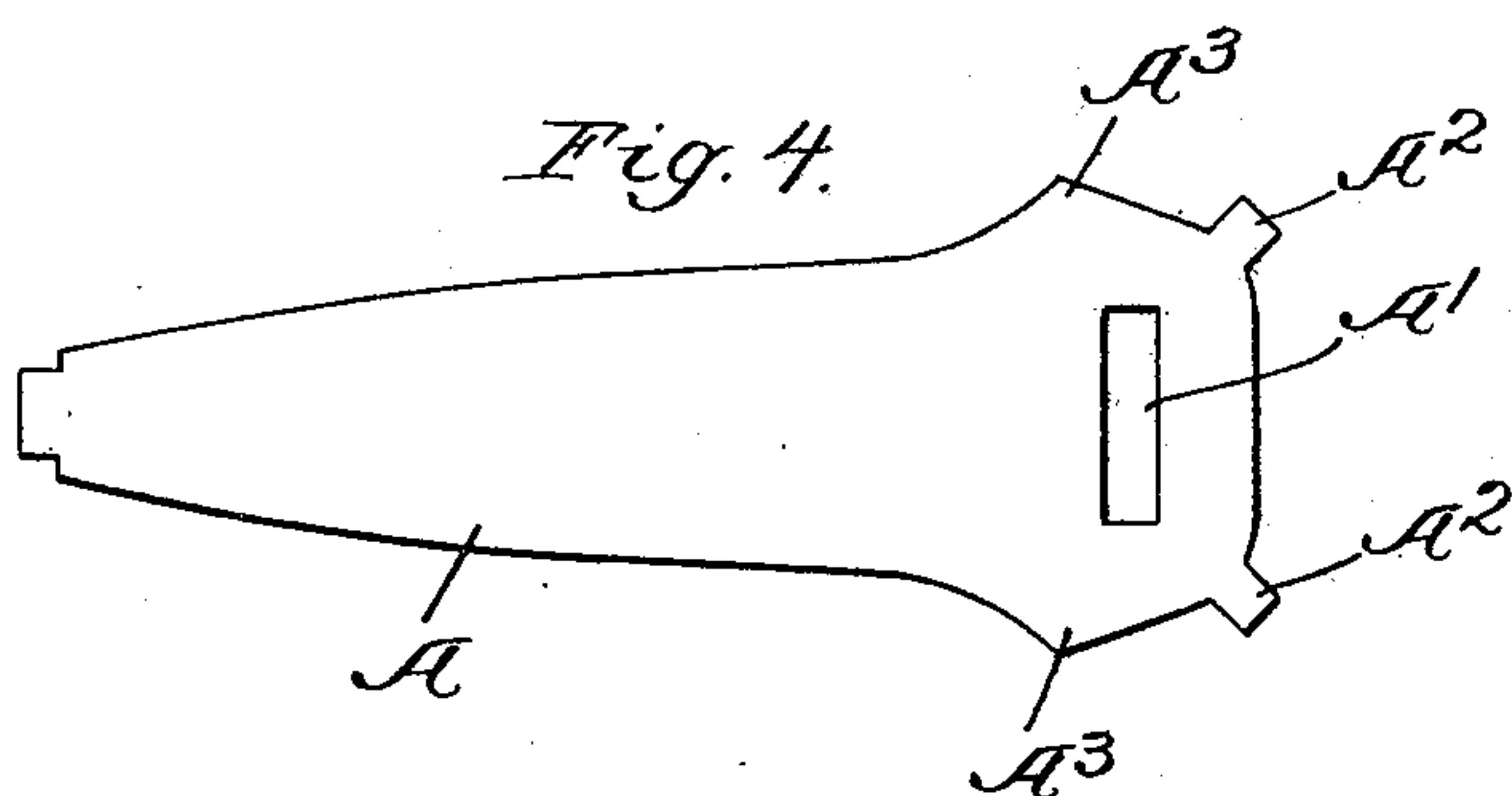
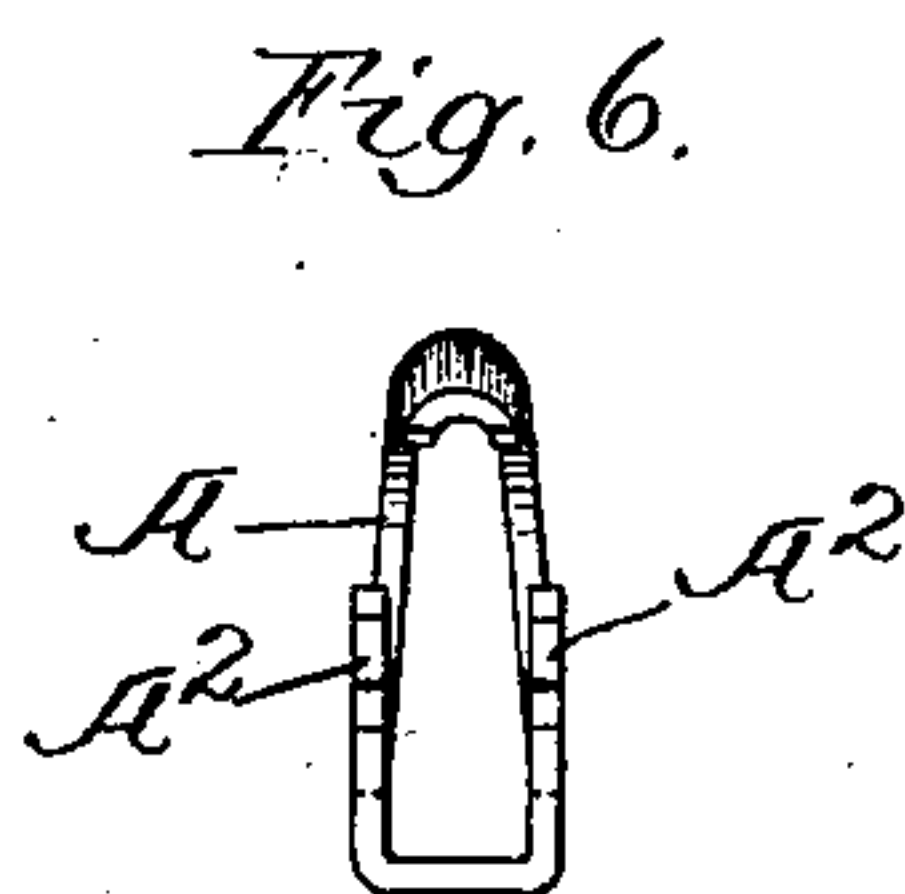
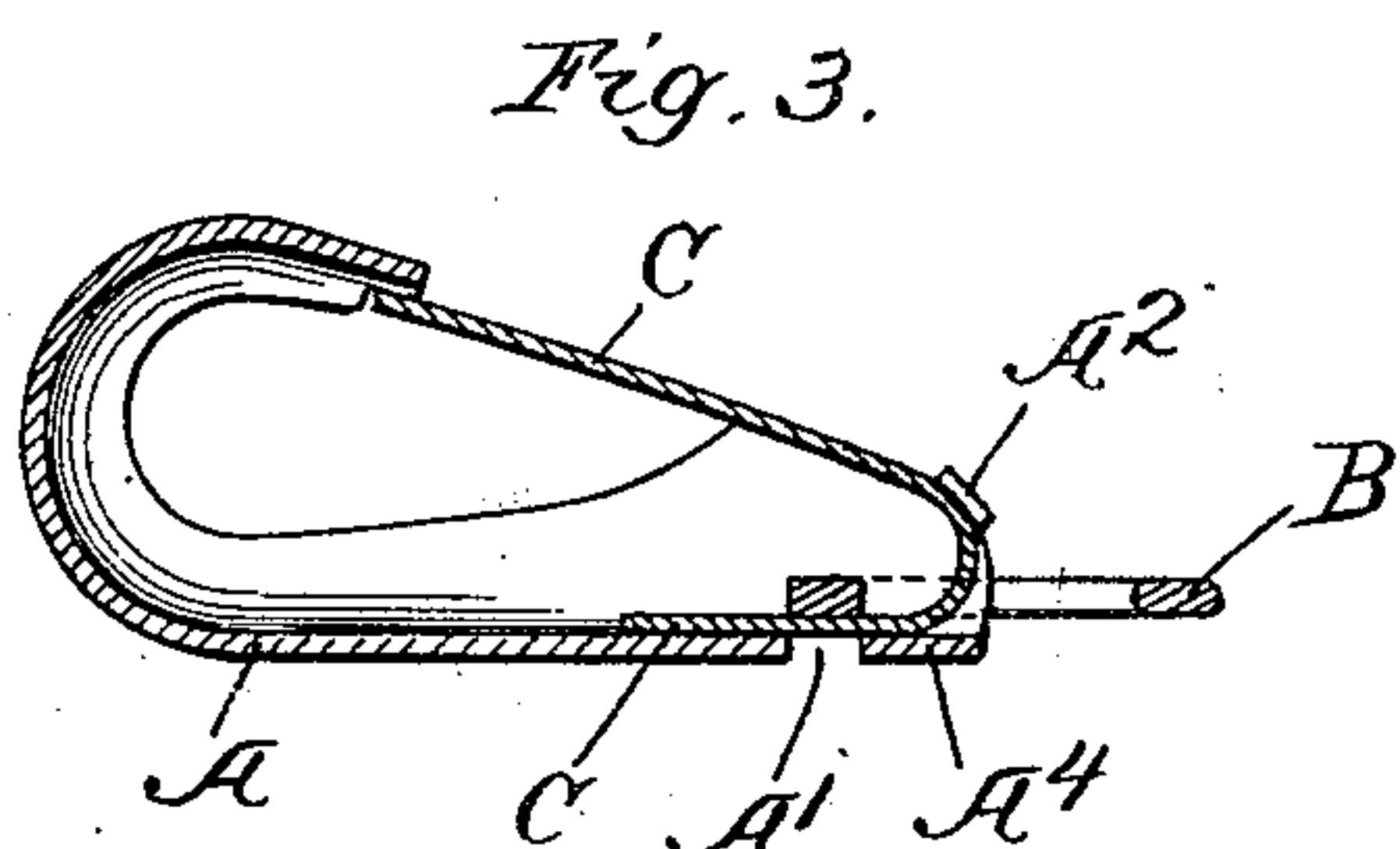
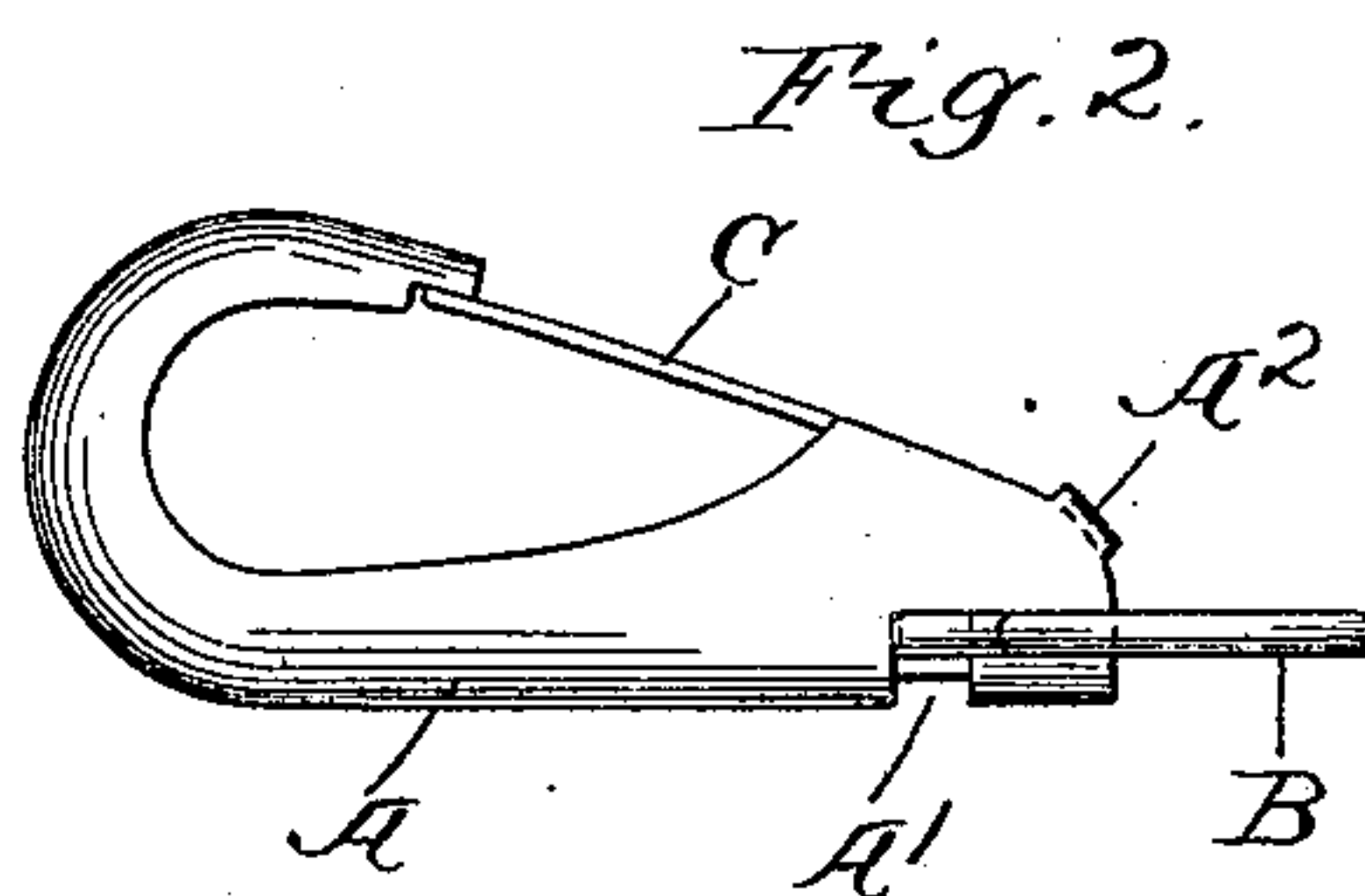
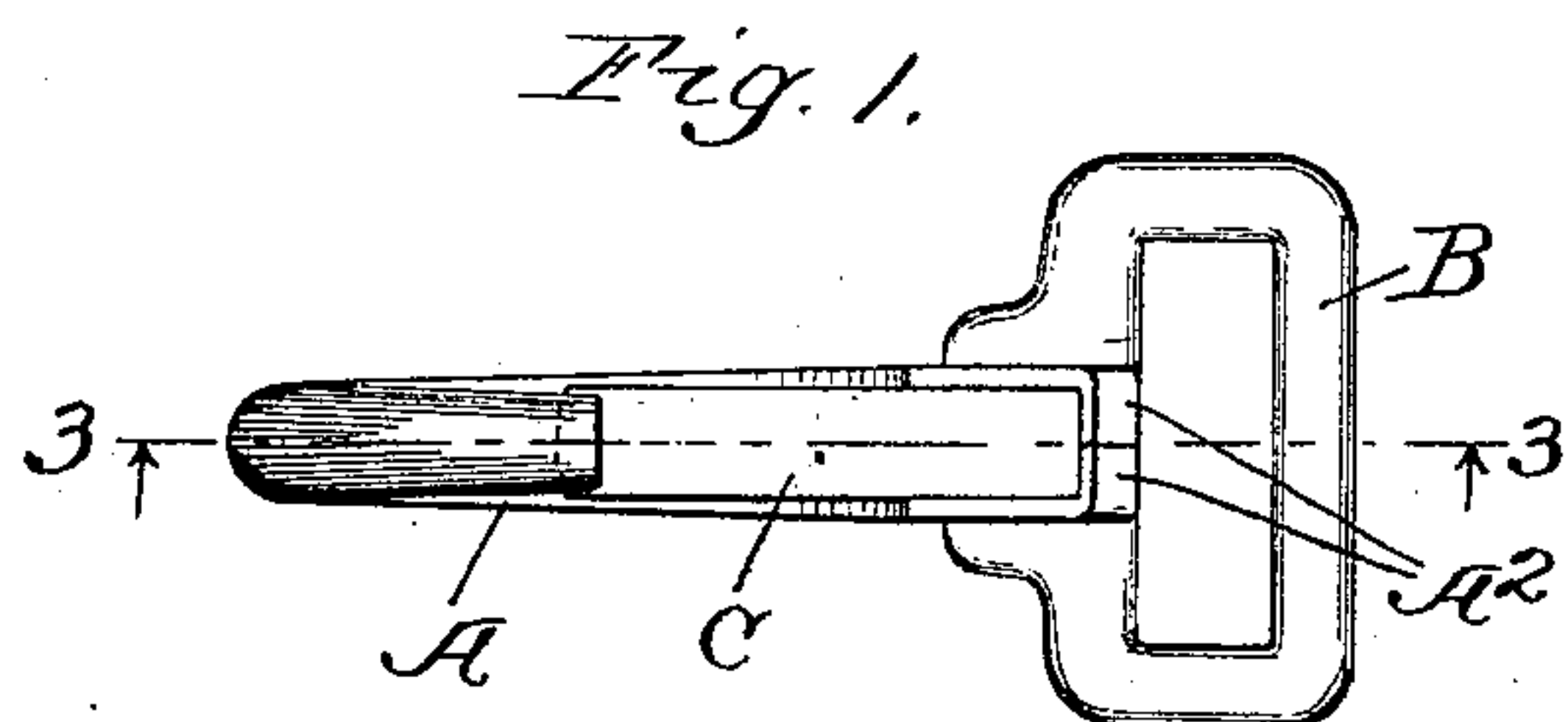
No. 644,183.

Patented Feb. 27, 1900.

W. R. MORSE.
HARNESS SNAP.

(Application filed June 24, 1899.)

(No Model.)



Witnesses.

Edward T. Wray.
Donald M. Carter.

Inventor.

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UNITED STATES PATENT OFFICE.

WILLIAM R. MORSE, OF CHICAGO, ILLINOIS.

HARNESS-SNAP.

SPECIFICATION forming part of Letters Patent No. 644,183, dated February 27, 1900.

Application filed June 24, 1899. Serial No. 721,676. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. MORSE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Harness-Snaps, of which the following is a specification.

My invention relates to snaps for harness and the like, and has for its object to provide a new and improved snap of this description.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a plan view of a snap embodying my invention. Fig. 2 is a side view of the device shown in Fig. 1. Fig. 3 is a section on line 3 3, Fig. 1. Fig. 4 is a view of the body of the snap before being bent into position. Fig. 5 is a view showing the two parts of the snap separated. Fig. 6 is a rear view of the body portion of the snap, showing the groove for the tongue.

Like letters refer to like parts throughout the several figures.

The snap herein shown instead of being cast, as is the usual custom, is stamped from a thin sheet of metal and is then properly shaped by means of suitable dies. As shown in Figs. 1 and 2, the snap is made up of three parts—namely, the body portion A, the end loop or engaging piece B, and the tongue C. The body portion A is stamped out in the shape shown in Fig. 4 and is provided with the opening A' and the projecting parts A² on the side pieces A³. The edges of the body portion A are at an angle to the remaining portion, as shown in Fig. 5, so as to form a groove, into which the tongue C is received.

When bent into the proper shape, the opening A', due to the removal of a portion of the metal, forms a space at the bottom of the body portion, as shown. The loop or engaging piece B is then placed in position, the front part B' being inserted in the space formed by the opening A'. The tongue C is then slipped into position. Said tongue preferably consists of a spring bent back upon itself, so as to form two branches, one of the branches of the spring passing beneath the front part B' of the engaging piece B, so as to firmly unite the two parts. The side pieces A³ are preferably so formed that when the tongue is in position it is confined between said side

pieces, so as to prevent lateral motion, and is preferably flush with the edges thereof, as shown in the drawings. The projecting parts A² are then bent inwardly, as shown in Fig. 1, so as to prevent the removal of the tongue. The parts are now firmly bound together, so as to form the complete snap. The engaging piece B is formed with a space B², through which projects the end A⁴ of the body portion, said end being engaged by the sides or faces B³ on the engaging piece, so as to prevent lateral motion and produce a firm connection between the parts. It will thus be seen that in the snap herein shown the parts are all stamped from thin sheet metal and are then assembled into a complete, solid, and durable snap.

I have described in detail a particular construction embodying my invention; but it is of course evident that the arrangement of the parts may be varied without departing from the spirit of my invention, and I therefore do not wish to be limited to the construction shown.

I claim—

1. A snap, comprising a body portion and a loop or engaging piece stamped from sheet metal, a tongue associated with said parts, said tongue engaging the two parts so as to removably connect them together.

2. A snap, comprising a body portion stamped from a thin sheet of metal and bent into shape, an opening near the end of said body portion, a loop or engaging piece having a part fitting into said opening, a tongue having two branches, one of which passes between the part of the engaging piece and the body portion so as to connect the two together.

3. A snap, comprising a body portion stamped from a thin sheet of metal and bent into shape, an opening near the end of said body portion, a loop or engaging piece having a part fitting into said opening, a tongue having two branches, one of which passes between the part of the engaging piece and the body portion so as to connect the two together, and means for holding said tongue in position.

4. A snap, comprising a body portion, a loop or engaging piece separated therefrom and a tongue adapted to engage the loop or engaging piece and the body portion of the snap and firmly fasten them together.

5. A snap, comprising a body portion stamped from sheet metal, said body portion provided with side pieces which form a space into which the tongue is received, a loop or
 5 engaging piece stamped from sheet metal, a tongue bent back upon itself so as to form two branches and located between the side pieces and the body portion of the snap, one of the branches engaging the body portion and said
 10 engaging piece so as to firmly connect them together.

6. A snap, comprising a body portion stamped from sheet metal, the edges being bent at an angle to the remaining portion so
 15 as to form a groove open at the back, a slot or space in said body portion communicating with said groove, an engaging piece adapted to be inserted in said slot or space so as to project into said groove, a tongue received into
 20 said groove and provided with two branches, one of which passes between the engaging

piece and the body portion of the snap so as to hold the two parts together.

7. A snap, comprising a body portion stamped from sheet metal, the edges being
 25 bent at an angle to the remaining portion so as to form a groove open at the back, a slot or space in said body portion communicating with said groove, an engaging piece adapted to be inserted in said slot or space so as to
 30 project into said groove, a tongue received into said groove and provided with two branches, one of which passes between the engaging piece and the body portion of the snap so as
 35 to hold the two parts together, and two projecting parts on said body portion adapted to be bent inwardly so as to hold said tongue in position.

WILLIAM R. MORSE.

Witnesses:

DONALD M. CARTER,
 HOMER L. KRAFT.