

No. 669,034.

Patented Feb. 26, 1901.

J. S. MANLY.
SURGICAL INSTRUMENT.
(Application filed June 30, 1900.)

(No Model.)

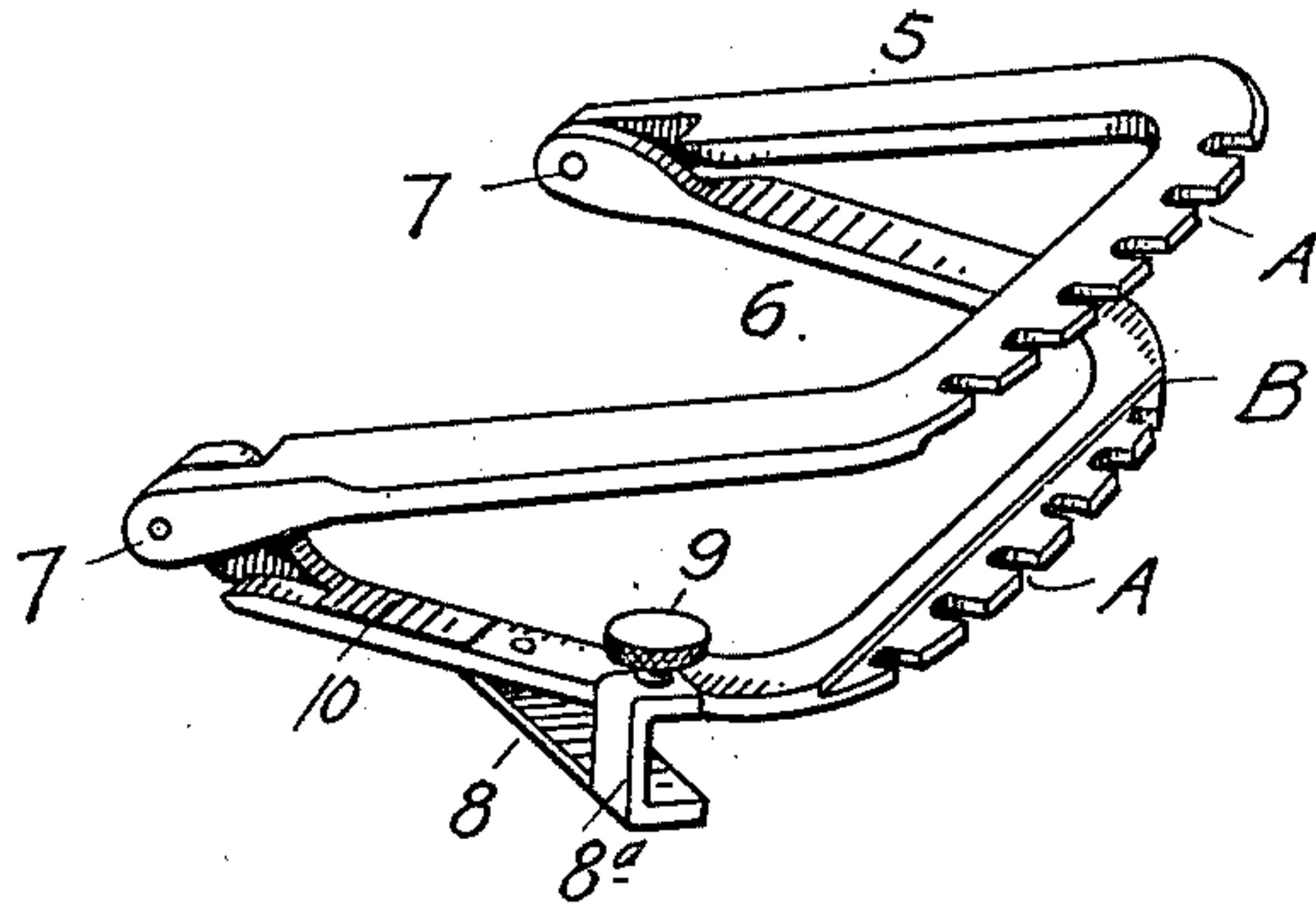


FIG. 1

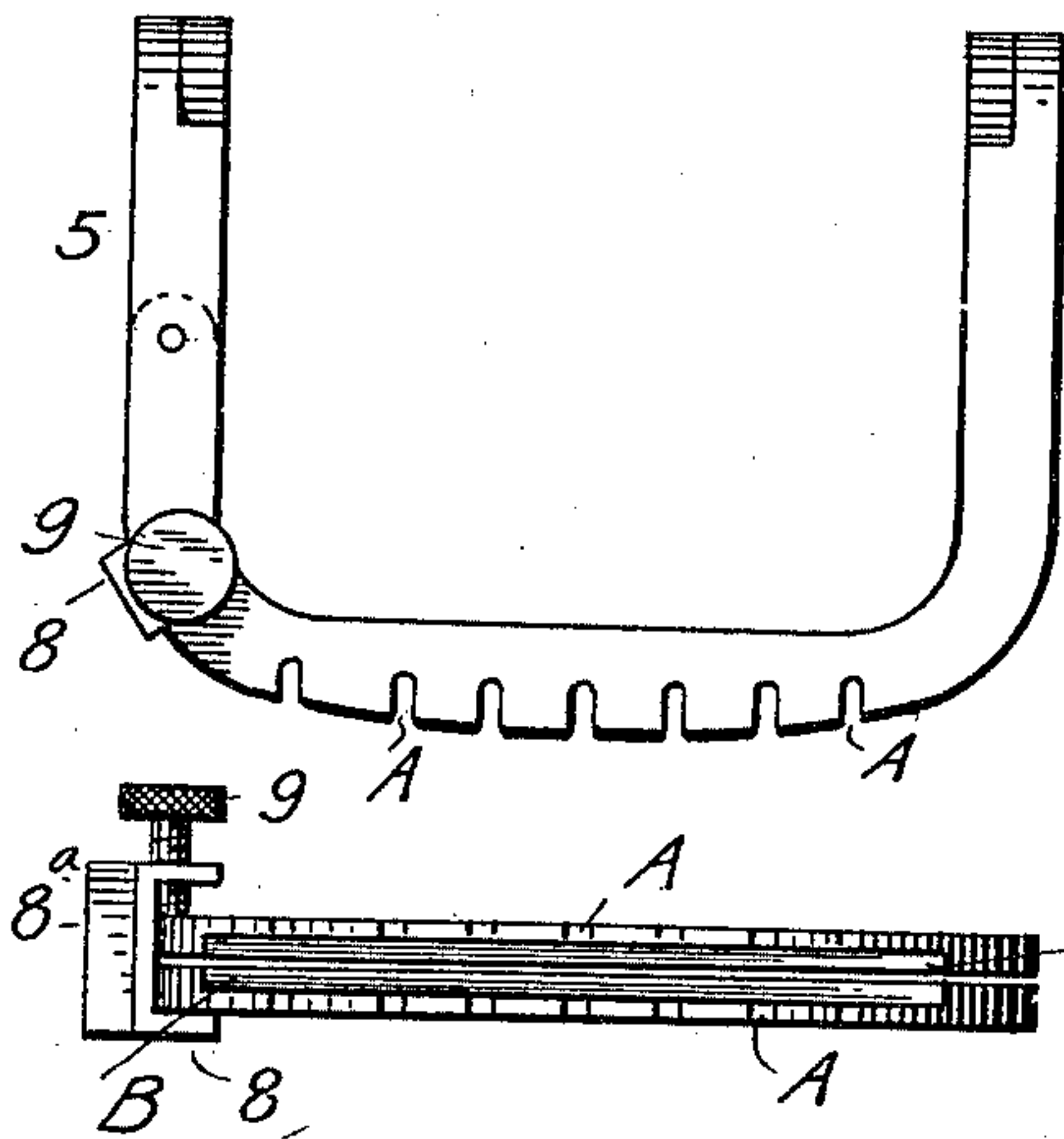


FIG. 2

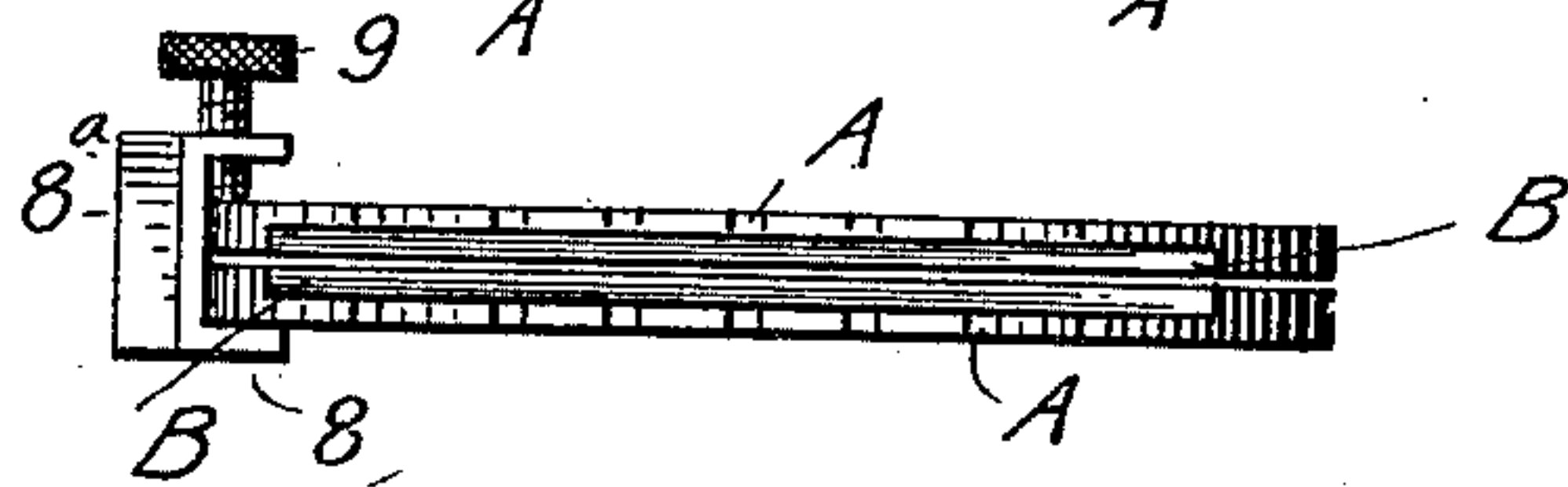


FIG. 3

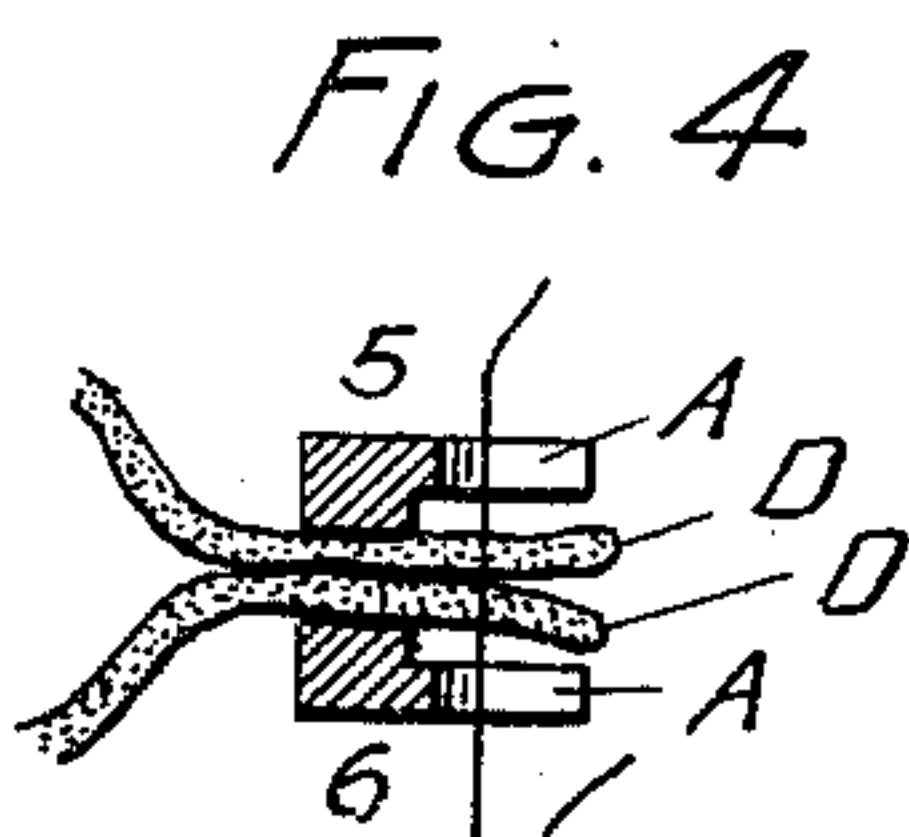


FIG. 4

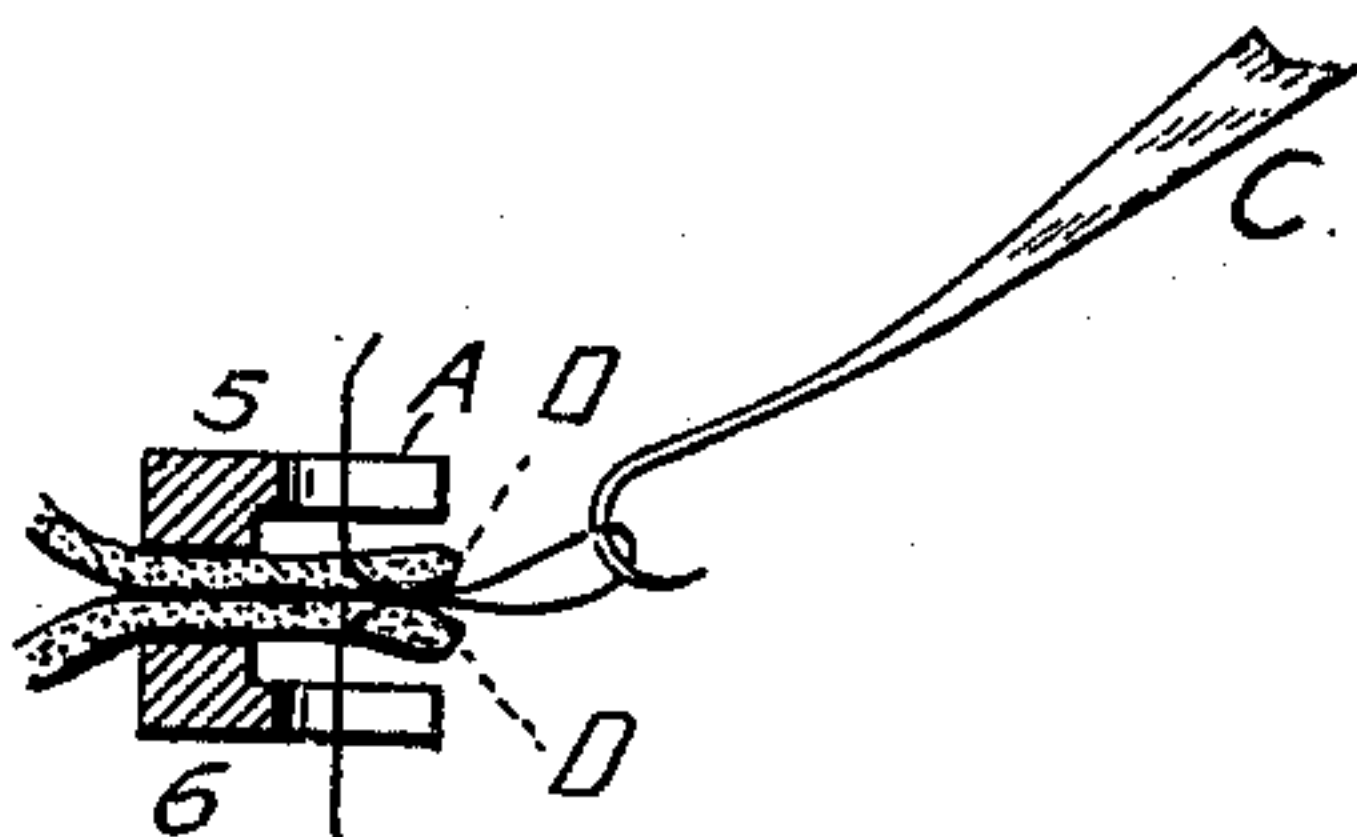


FIG. 5

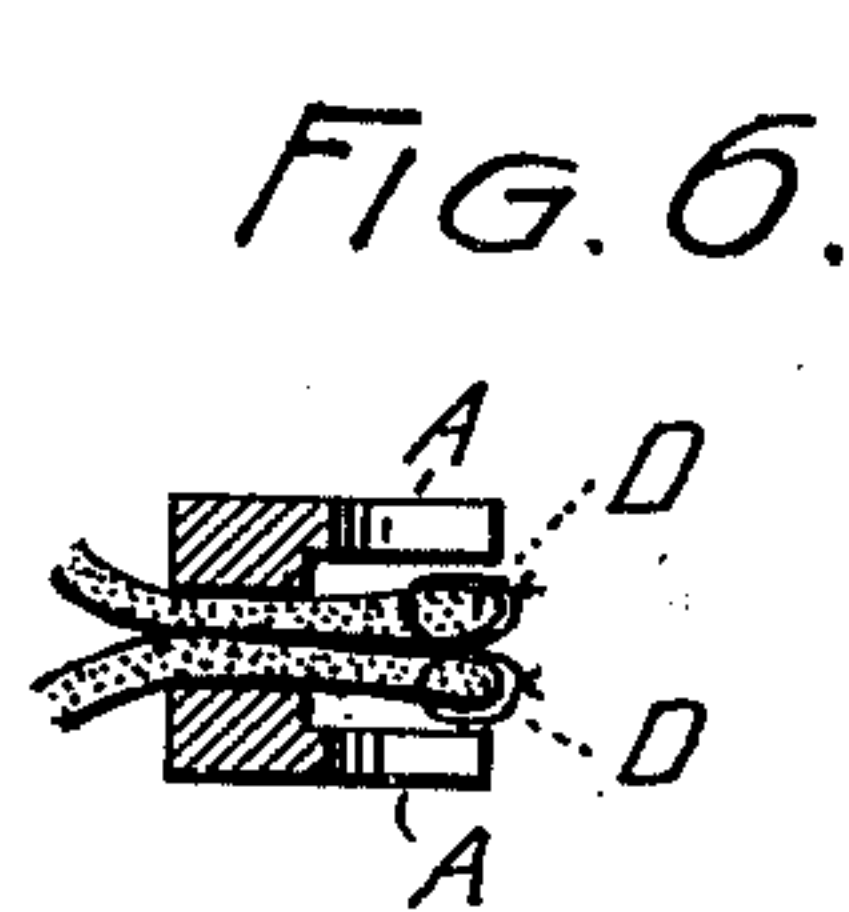


FIG. 6.

WITNESSES:
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BY *[Signature]*
ATTORNEY.

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SURGICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 669,034, dated February 26, 1901.

Application filed June 30, 1900. Serial No. 22,144. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. MANLY, a citizen of the United States of America, residing at Cripplecreek, in the county of Teller and State of Colorado, have invented certain new and useful Improvements in Instruments for Circumcision; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in instruments for circumcision.

My object is to provide an instrument of this class which shall render the said operation speedy and painless and obviate the necessity of placing the patient under the influence of anesthetics. As heretofore generally performed the circumcising operation has required considerable time, making the use of chloroform or other anesthetic necessary. My object is to obviate the use of anesthetics for the reason that their use, particularly with children, is dangerous. Many deaths have resulted from this cause.

My improved instrument will now be described in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of my improved device. Fig. 2 is a top or plan view, and Fig. 3 a front view, of the same. Figs. 4, 5, and 6 are sections taken through the clamping-jaws of the instrument, illustrating its use.

The same reference characters indicate the same parts in all the views.

Let the numerals 5 and 6 designate two U-shaped clamping members, whose extremities are hinged together at 7. The anterior or front portion of each member is provided with a series of slots A, the slots of the two members being arranged to register with each other when the jaws are closed. The slotted portion of each jaw is cut away interiorly, as shown at B, leaving a space between the front portions of the jaws when the parts immediately in the rear are clamped tightly together or are in contact with each other. Pivotally

mounted on one of the members, being the member 6, as shown in the drawings, is an arm 8, whose free extremity is provided with a U-shaped part 8^a, adapted to straddle the two members when closed. The part 8^a is provided with a set-screw 9, which engages an opening formed in one side thereof. When the arm 8 is in the position shown in Figs. 2 and 3, the members 5 and 6 are locked together by adjusting the set-screw until it bears against the member 5. A leaf-spring 10, applied to one of the members, is adapted to automatically separate the members when unlocked.

In using the instrument the prepuce or foreskin is drawn from the rear, between the open jaws of the instrument, until the portion to be removed projects beyond and in front of the jaws, which are then closed and locked. The protruding portion of the foreskin is then severed even with the outer edges of the jaws. When this is done, a threaded needle is passed through the foreskin between the jaws at each opening formed by two registering slots A and the thread drawn through the foreskin, as shown in Fig. 4. A hooked instrument C is then inserted between the upper and lower lips D of the foreskin and the thread drawn out and cut in the middle, (see Fig. 5,) leaving a piece of thread forming a ligature in each lip. The two ends of each piece of thread are then tied together, forming a knot on the edge of each lip. (See Fig. 6.) The space formed by cutting away the jaws at B permits the separation of the lips sufficiently to insert the hooked instrument C. The number of knots or ligatures applied to each lip D will correspond with the number of openings formed by the registering slots A in the portion of the instrument applied to the foreskin.

In order to make the operation painless, a piece of cotton saturated with cocaine should be placed in the portion of the foreskin to be removed and left a short time prior to beginning the operation. This local application will entirely kill the sensibility of the part during the short time required to permit the operation, which is only about four minutes.

Having thus described my invention, what I claim is—

1. A surgical instrument comprising two

opposing clamping members hinged together and arranged to close against each other but having no shearing action, their anterior edges being provided with a number of slots which register when the jaws are closed, the jaw members being cut away interiorly to leave a space in front when the jaws are closed at the rear.

2. An instrument of the class described comprising two opposing jaw members, hinged together and arranged to close against but not passing each other, their forward edges being provided with a number of openings which register when the jaws are closed, the jaw members being cut away interiorly to leave a space in front when the jaws are closed in the rear, and suitable means for locking the jaws or clamping members in the closed position.

3. A surgical instrument comprising two U-shaped clamping members hinged together

at their extremities, their anterior portions being provided with registering openings, the apertured portions of the hinged jaws being cut away interiorly for the purpose set forth.

4. An instrument of the class described comprising two U-shaped opposing members hinged together at their extremities, and arranged to close against but not passing each other, said members being cut away interiorly, leaving a space in front when they are closed at the rear, a device attached to one member and adapted to lock the two members in the closed position, and a spring applied to one member and adapted to automatically separate the members when unlocked.

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

JAMES S. MANLY.

Witnesses:

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GRACE MYTINGER.