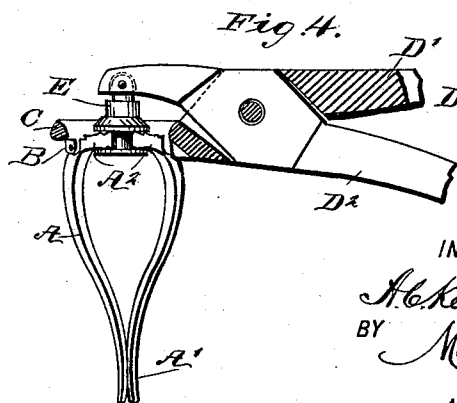
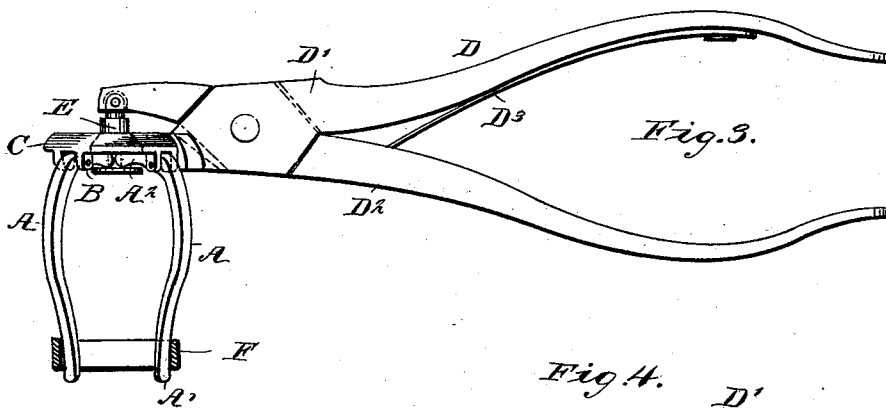
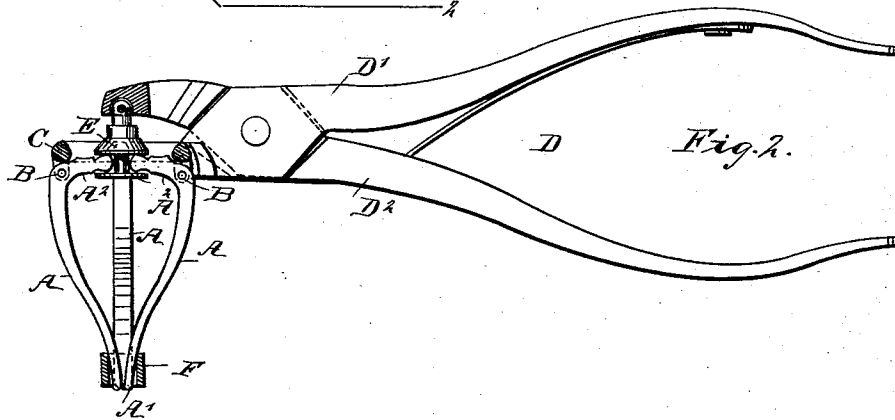
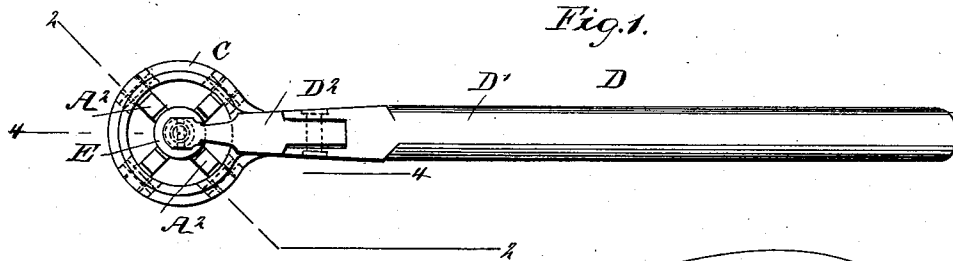


(No Model.)

A. C. KELLOGG.
SURGICAL INSTRUMENT.

No. 509,226.

Patented Nov. 21, 1893.



WITNESSES:

H. McAndrew.
L. Sedgwick

INVENTOR

A. C. Kellogg
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALONZO C. KELLOGG, OF PORTAGE, WISCONSIN.

SURGICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 509,226, dated November 21, 1893.

Application filed January 31, 1893. Serial No. 460,281. (No model.)

To all whom it may concern:

Be it known that I, ALONZO COOPER KELLOGG, of Portage, in the county of Columbia and State of Wisconsin, have invented a new and Improved Surgical Instrument, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved surgical instrument, which is simple and durable in construction, and more especially designed for conveniently and quickly placing an elastic band on the umbilical cord of the new-born child to prevent hemorrhage or other diseases.

The invention consists of a series of pivoted prongs adapted to close at their free ends to receive an elastic band, and a button connected with the said prongs to open and close the same simultaneously.

The invention also consists of certain parts and details, and combinations of the same, as will be hereinafter described and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the improvement. Fig. 2 is a sectional side elevation of the same on the line 2—2 of Fig. 1. Fig. 3 is a side elevation of the improvement partly in section; and Fig. 4 is a sectional side elevation of the same on the line 4—4 of Fig. 1.

The improved surgical instrument is provided with a series of prongs A, preferably four in number, and curved as illustrated in Figs. 2 and 3, the said prongs being hung on pivots B supported on the under side of a ring C, and arranged equi-distant apart, as plainly indicated in Fig. 1. The ring C forms part of the outer end of the member D', of a pair of tongs D, the other member D² of the said tongs carrying at its outer end, a button E engaging the arms A² projecting inwardly and radially from the pivot ends of the prongs A. The button E is pivotally connected with the outer end of the member D², so that when the spring-pressed handles of the tongs are pressed the button E is moved downward, thus pressing the arms A² in a like direction and thereby causing the prongs A to swing outward, as shown in Fig. 3. As soon as the pressure is released on the handles of the

tongs D, then the spring D³ intervening the members of the tongs, forces the members back to their normal positions, whereby the button E moves upward and the prongs A close, that is, their lower ends A' come together to form a point.

When the instrument is in the position shown in Figs. 1, 2 and 4, then the prongs are closed, and the free ends A' of the same are adapted to receive an elastic band F, and when the operator now presses on the handles of the tongs D, then the prongs A open, as previously described, thereby stretching or opening the elastic band F, as plainly shown in Fig. 3. When the instrument is in this position, the open ends of the prongs A are passed over the end of the umbilical cord and then the operator gradually releases the pressure on the handles of the tongs to permit the prongs A to close, at the same time stripping the elastic band off the prongs onto the umbilical cord, after which the operator withdraws the instrument, leaving the elastic band to close the outer end of the umbilical cord.

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

1. In a surgical instrument, the combination with a support, of pivoted prongs adapted to close at their free ends to receive an elastic band, and means for moving the prongs outward, substantially as described.

2. A surgical instrument, comprising a pair of tongs, a series of prongs pivoted on one of the members of the said tongs, and a button held on the other member and connected with the said prongs to open and close the same, substantially as shown and described.

3. A surgical instrument, comprising a pair of spring pressed tongs, a ring projecting from the free end of one of the members of the said tongs, a series of prongs pivoted on the said ring, each prong having an inwardly-extending arm, and a button connected with the said prong arms and pivoted on the other member of the said pair of tongs, substantially as shown and described.

A. C. KELLOGG.

Witnesses:

CHAS. MOHR,
THOMAS ARMSTRONG.