No. 823,877. PATENTED JUNE 19, 1906.

A. C. KELLOGG.

SURGICAL IMPLEMENT.

APPLICATION FILED SEPT. 11, 1905.

Fig. 1

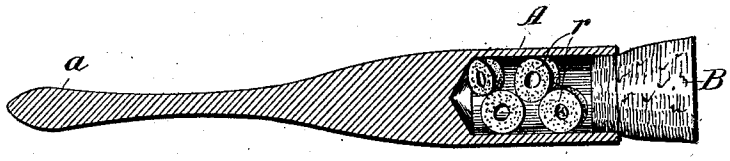
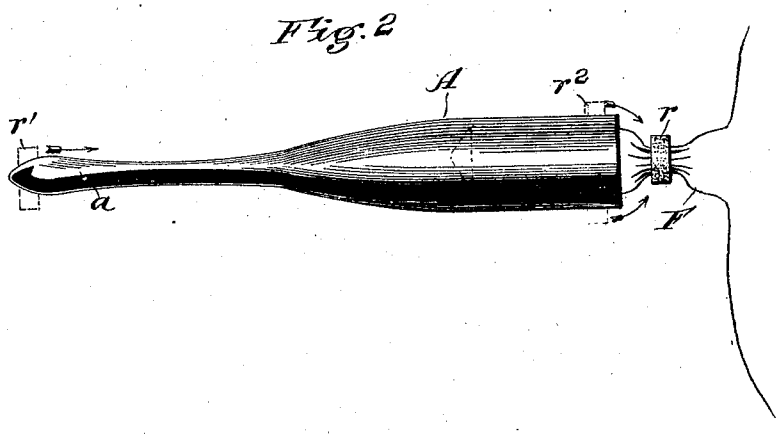


Fig. 2



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SURGICAL IMPLEMENT.

No. 823,877. Specification of Letters Patent. Patented June 19, 1906.

Application filed September 11, 1905. Serial No. 277,841.

To all whom it may concern:

Be it known that I, ALONZO COOPER KELLOGG, a citizen of the United States, residing at Portage, in the county of Columbia and State of Wisconsin, have invented a new and useful Improvement in Surgical Implements, of which the following is a specification.

My invention is in the nature of a new surgical implement designed to facilitate the application of a compressive rubber ring to the stump of the funis or umbilical cord of a new-born infant after cutting off the same, so as to prevent hemorrhage, and to which I have applied the name of "Funis ring applicator."

It consists in the novel construction of the implement so constructed as to dilate and apply the ring and at the same time form a storage-holder for the rings, as hereinafter described.

Figure 1 is a longitudinal section of the implement, and Fig. 2 shows its application to the abdomen and funis of a new-born child.

A is a metal tube which is open at one end and tapers gradually at the other end to an attenuated and elongated dilator *a*, the exterior of the tube being perfectly smooth and preferably nickel-plated. The bore of the tube is ordinarily closed by a cork B, so as to form a holder or container for the rubber rings *r* held in reserve.

When the implement is to be used, the cork is removed and the rings emptied out and one of them is selected and applied to the small end of the device in the position shown in dotted lines at *r'* and is then rolled or slipped up to the large end, as shown in dotted lines at r^2. The funis or umbilical cord of the child is then severed so as to leave the usual length of stump, and this is inserted in the bore of the tube, as shown at F. The dilated rubber ring at r^2 is then by means of the thumb rolled off the large end of the tube onto the funis and in contracting embraces and constricts the cord, as seen at *r* in Fig. 2, tightly compressing the same and preventing all hemorrhage.

The device is a very simple and practical one for the purpose, is conveniently manipulated, and forms a holder in which to carry the rings. The small rubber ring is especially effective in securing the cord, as it displaces the Wharton's jelly, and its elasticity and constant compression effectually prevents subsequent hemorrhage.

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

1. A device for applying constrictive rings to the umbilical cord, consisting of a rigid tube open at one end and extended at the other end in the form of a solid tapering attenuated and smooth dilator.

2. A device for applying constrictive rings to the umbilical cord, consisting of a tube open at one end and extended at the other in the form of a tapering, attenuated and smooth dilator, and a stopple for the open end to form a closed storage-container for the rings.

ALONZO COOPER KELLOGG.

Witnesses:
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JOHN RAWSON.