

(No Model.)

A. C. EGGERS.
NURSING BOTTLE NIPPLE.

No. 411,794.

Patented Oct. 1, 1889.

Fig. 2.

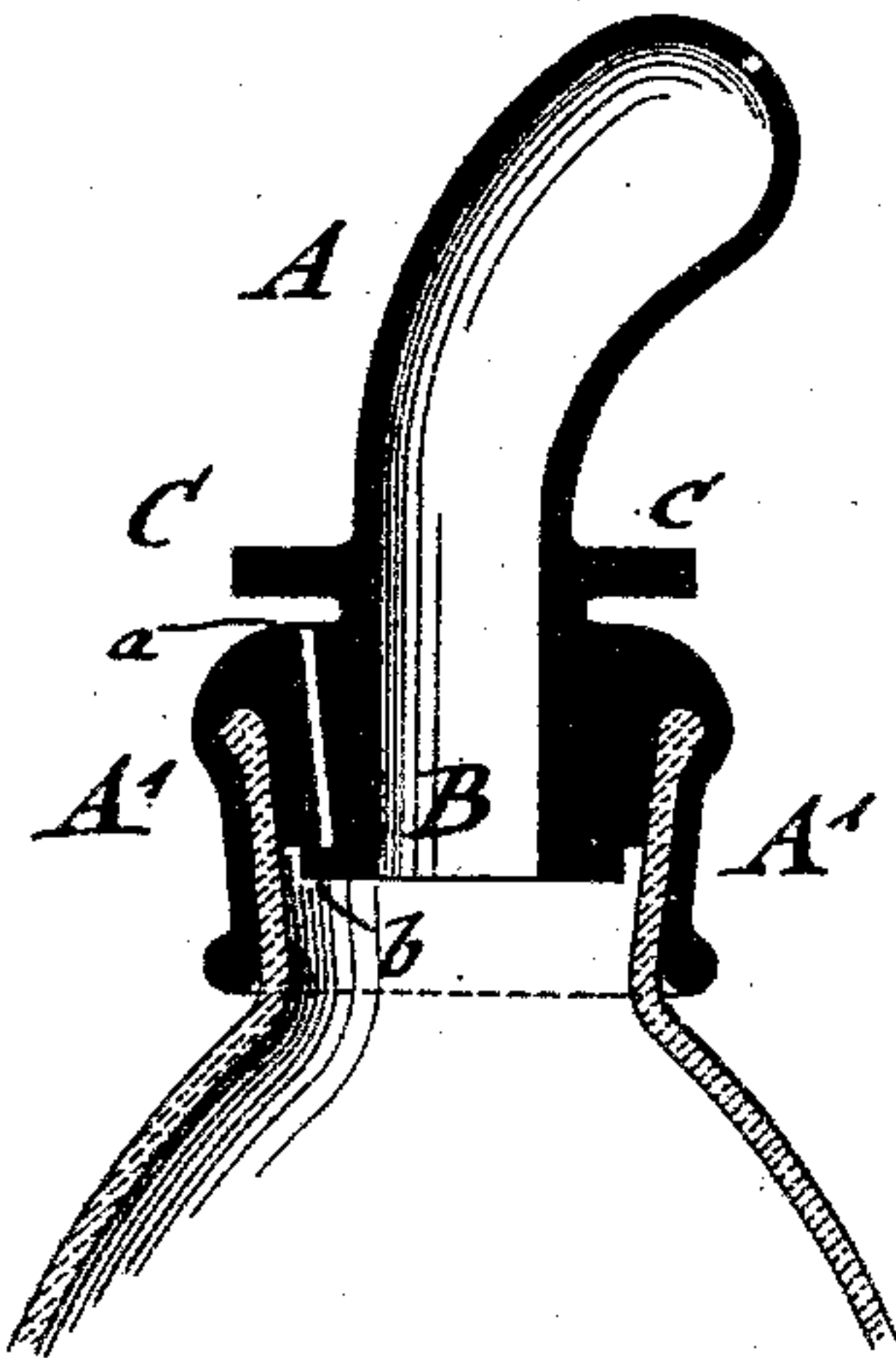


Fig. 1.

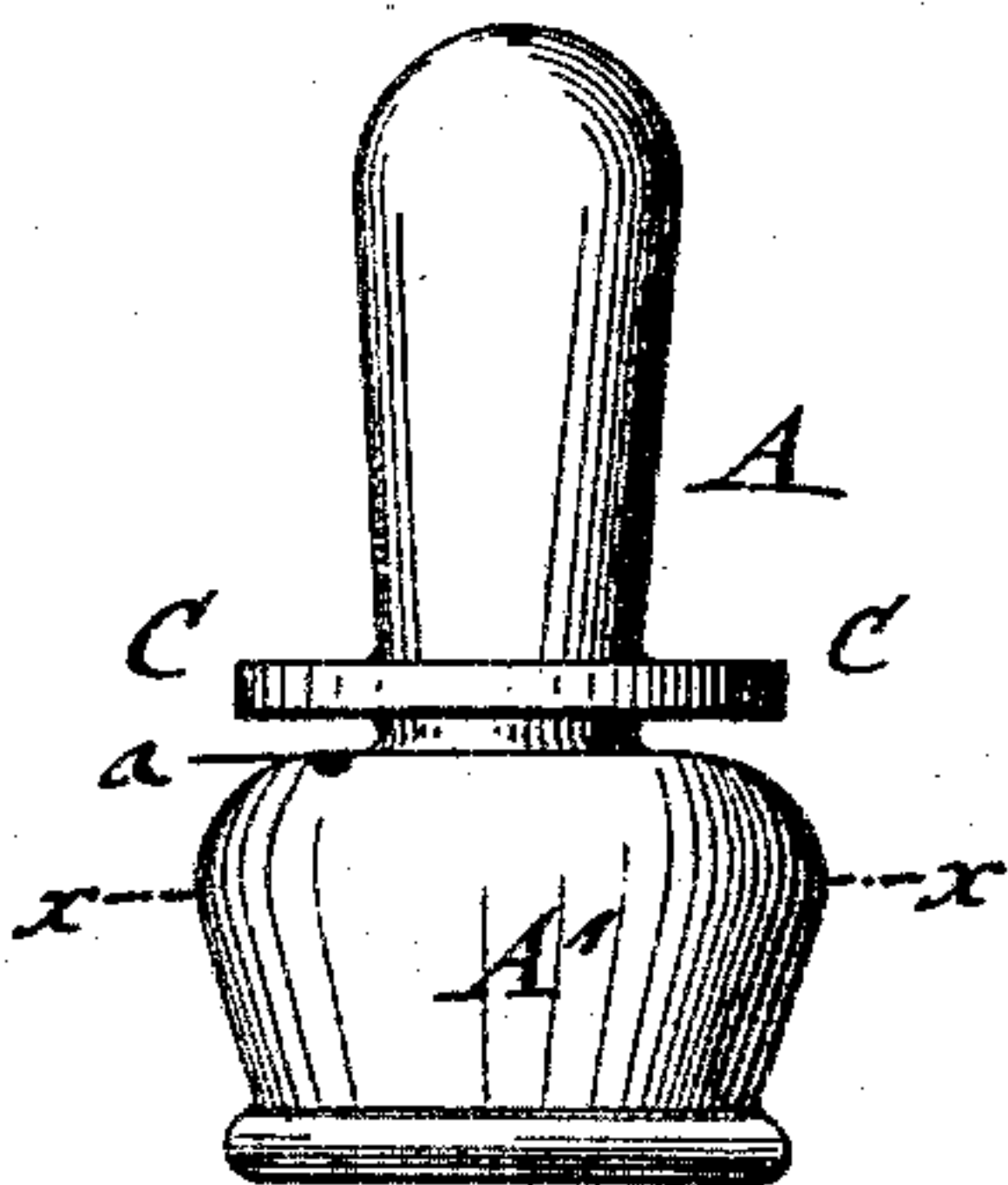


Fig. 4.

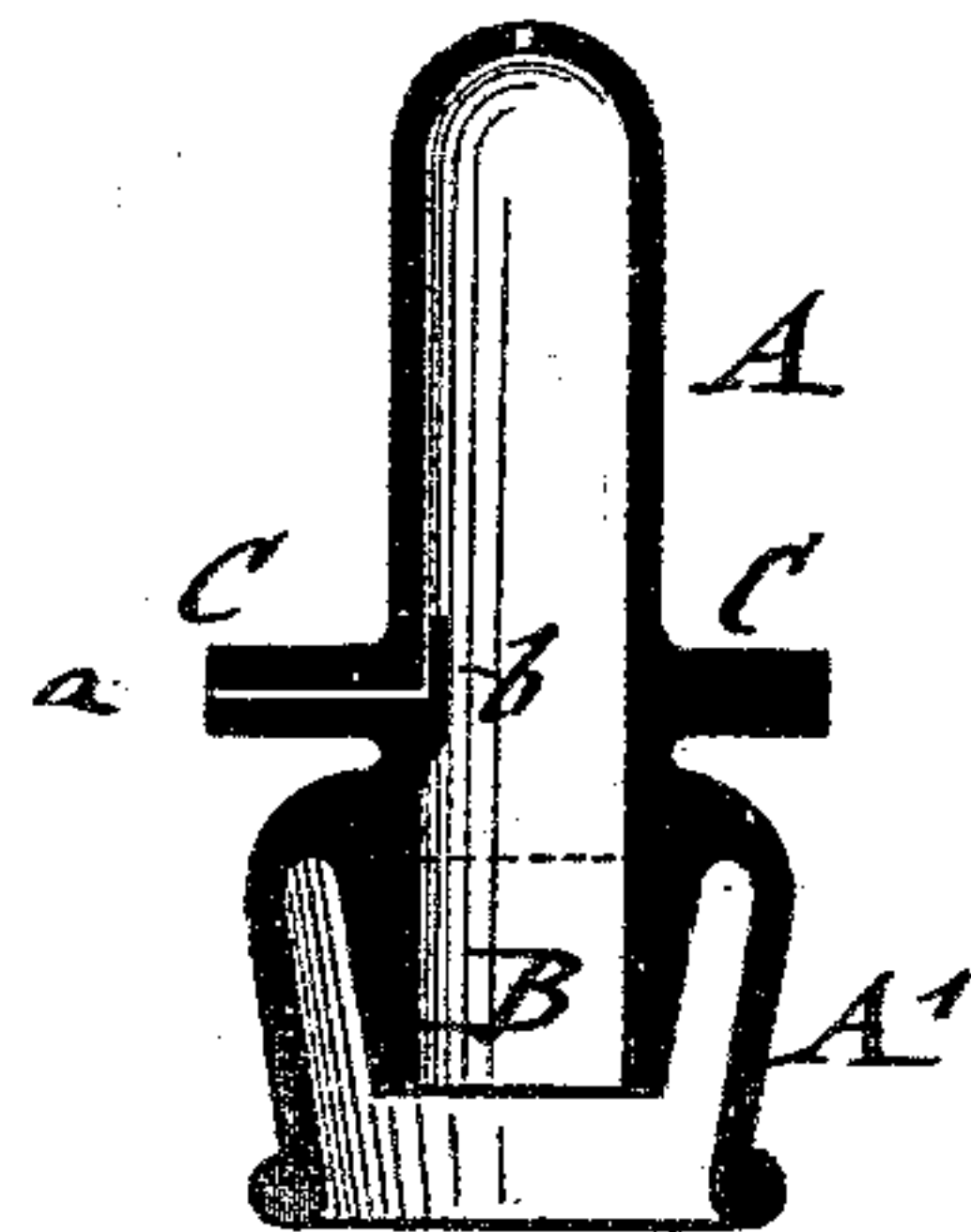
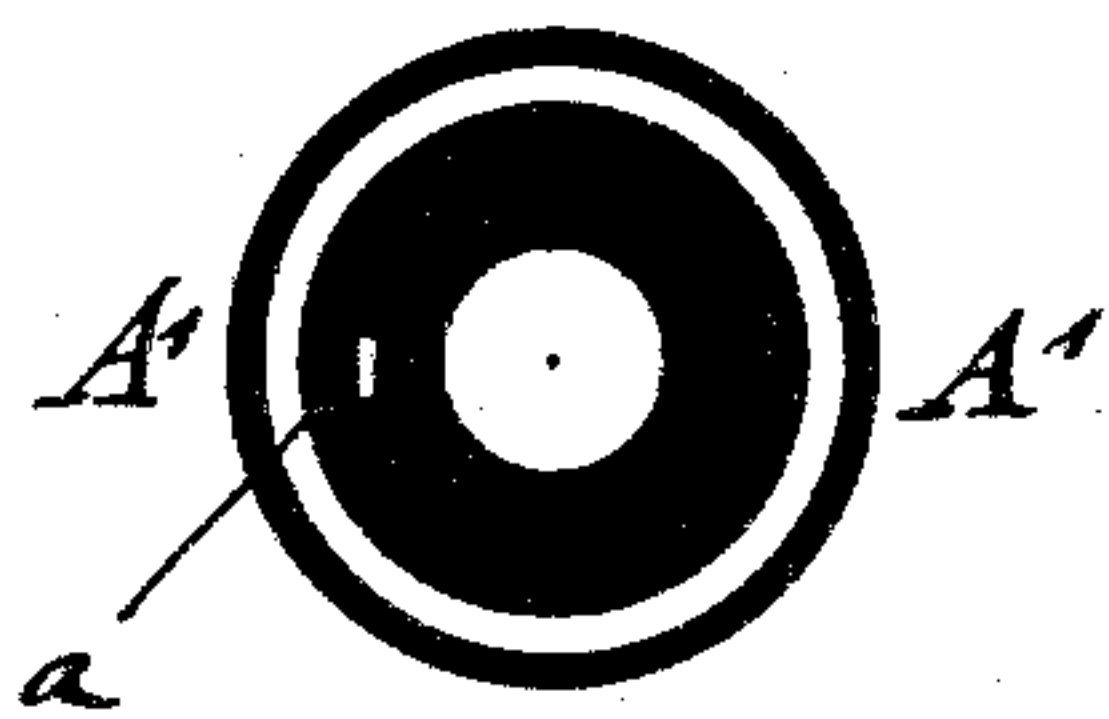


Fig. 3.



WITNESSES:

F. W. Rosenbaum.
Carl Kapp.

INVENTOR

Anton C. Eggers
BY
Joseph J. Rogers
ATTORNEY

UNITED STATES PATENT OFFICE.

ANTON C. EGGERS, OF NEW YORK, ASSIGNOR TO THE IDEAL RUBBER COMPANY, OF BROOKLYN, NEW YORK.

NURSING-BOTTLE NIPPLE.

SPECIFICATION forming part of Letters Patent No. 411,794, dated October 1, 1889.

Application filed December 27, 1888. Serial No. 294,820. (No model.)

To all whom it may concern:

Be it known that I, ANTON C. EGGERS, of the city, county, and State of New York, a citizen of the United States, have invented certain new and useful Improvements in Nipples for Nursing-Bottles, of which the following is a specification.

This invention relates to an improved vent-nipple for nursing-bottles, by which atmospheric air is admitted to the interior of the bottle while the same is used by infants for drinking, so that the vacuum in the same is destroyed; and the invention consists of a nipple for nursing-bottles which is provided with a stopper within the nipple-cap, said stopper fitting into the mouth of the bottle and having an exterior guard-shield and a vent-passage passing through the stopper or shield, said passage having a valve at the inner end made integral with the nipple, as will be fully described hereinafter, and finally be pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of my improved nipple for nursing-bottles. Fig. 2 is a vertical central section of the same, shown as applied to a bottle and provided with a vent-passage in the interior stopper of the nipple. Fig. 3 is a vertical central section of a modified form of nipple, having a vent-passage in the guard-shield; and Fig. 4 is a horizontal section on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A in the drawings represents a nipple of soft rubber, which is provided at the interior of the cap A', by which it is applied to the bottle-mouth, with a tubular stopper B that fits on the mouth of the nursing-bottle, so as to tightly close the same. Above the cap A' of the nipple is arranged a guard-shield C, as is well known in nipples of this kind. A vent-passage *a* extends through the interior stop-

per B, and is provided at its inner end with a flap-valve or tongue *b*, that closes the vent-passage *a* when no pressure is exerted on the same, while it opens the vent-passage whenever, by the partial vacuum formed in the bottle, the pressure of the atmosphere opens the same. The vent-passage *a* is open at the outer end, so as to communicate with the atmosphere, and is molded into the nipple while the same is in the course of manufacture. The guard-shield C protects the opening of the vent-passage against being closed by the lips, and secures the proper working of the vent. The vent which is thus given to the interior of the bottle destroys the vacuum formed in the same by the gradual withdrawing of the liquid by the infant, and facilitates thereby the act of drinking from the nursing-bottle.

In place of arranging the vent-passage *a* in the stopper A', it may be arranged radially in the guard-shield, as shown in Fig. 4, in which case the flap-valve or tongue *b* is arranged at the inner end of the passage *a* and made integral with the nipple.

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

A nipple for nursing-bottles, provided with an exterior elastic cap, an interior tubular stopper, and a vent-passage passing through said stopper and provided with a valve at the inner end of the vent-passage, said valve being made integral with the nipple, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ANTON C. EGGERS.

Witnesses:

PAUL GOEPEL,
CARL KARP.