(No Model.)

T. C. CHALK.

NIPPLE FOR NURSING BOTTLES.

No. 453,621. Patented June 9, 1891.

Fig 1

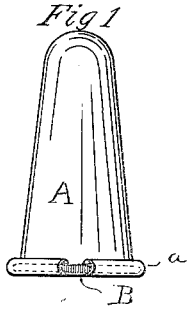


Fig 2

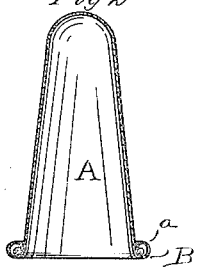


Fig 3

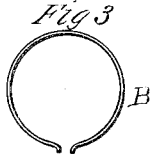
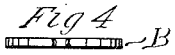


Fig 4



Witnesses
Clarence J. Farnsworth
Wilbur B. Farmer

Inventor:
Timothy C. Chalk
by his Atty Edw Bodgett

UNITED STATES PATENT OFFICE.

TIMOTHY C. CHALK, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO THE CHALK RUBBER COMPANY, OF SAME PLACE.

NIPPLE FOR NURSING-BOTTLES.

SPECIFICATION forming part of Letters Patent No. 453,621, dated June 9, 1891.

Application filed February 19, 1890. Serial No. 341,091. (No model.)

To all whom it may concern:

Be it known that I, TIMOTHY C. CHALK, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Nipples for Nursing-Bottles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

Referring to the drawings, Figure 1 is an elevated plan view of the nipple part of the rim of the neck, being broken to show the spiral spring; Fig. 2, a vertical section of nipple; Fig. 3, a steel-wire spring, and Fig. 4 the spiral spring.

The nipple A is made of rubber, the neck thereof being rolled up to form an annular groove *a*, in which rests a spiral spring B. The ends of this spring are joined so as to rest closely around the neck of the nipple, and as the same is pressed over the neck of a nursing-bottle the spring plays sufficiently to allow the nipple to be drawn on, and as soon as the pressure is released the spring contracts and holds the nipple firmly in place.

I show in Fig. 3 a form of spring which may be employed for the same purpose, being simply a piece of steel wire of circular form, the ends being rounded off to prevent any cutting of the rubber nipple.

The advantage which I claim is the absolute security from the dropping off of the nipple, which has hitherto been a great source of annoyance in nursing-bottles. It will be further observed that by covering the metal spring entirely with the rubber all danger to the metal from rusting will be removed.

What I claim is—

In nipples for nursing-bottles, a metal spring secured at the base of the nipple and entirely covered by rubber, thereby preventing rusting, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

TIMOTHY C. CHALK.

In presence of—
E. W. BLODGETT,
W. W. BLODGETT.