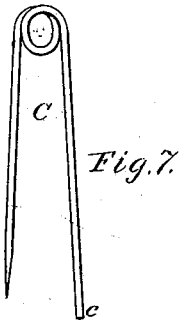
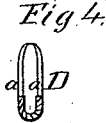
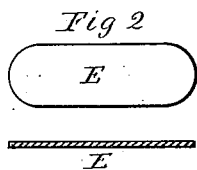
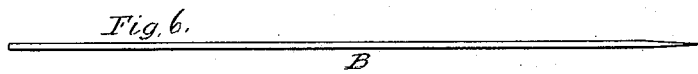
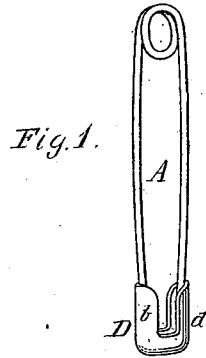


Z. G. PIERCE.
Safety-Pin.

No. 199,346.

Patented Jan. 15, 1878.



WITNESSES

Elliott Anderson
Mary A. Little

INVENTOR

Zephaniah G. Pierce,
by Elliott Anderson

ATTORNEY

UNITED STATES PATENT OFFICE.

ZEPHANIAH G. PIERCE, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN SAFETY-PINS.

Specification forming part of Letters Patent No. **199,346**, dated January 15, 1878; application filed September 10, 1877.

To all whom it may concern:

Be it known that I, ZEPHANIAH G. PIERCE, of Providence, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Nursery-Pins; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of the pin complete. Fig. 2 is a plan and section of the shield-blank. Figs. 3 and 4 are sections of the shield. Fig. 5 is a perspective view of the shield pressed in form from the shield-blank. Figs. 6 and 7 are views of the wire and pin.

This invention has relation to diaper or safety pins; and it consists, mainly, in the construction and novel arrangement of the curved and rounded guard or shield, drawn up of sheet metal, and designed to receive the pin-point on either side, as hereinafter fully shown and described.

In the accompanying drawings, the letter A designates the pin complete. B represents the wire before it is bent, and C indicates the pin formed from said wire for attachment to the shield D.

E, Fig. 2, represents the blank from which the shield is formed, being a parallel-sided piece of sheet metal, having rounded ends. This is drawn up in suitable dies, and forms the U-shaped shield indicated in the drawings, having a rounded opening, *a*, on each side for the passage of the point of the pin into the catch end *b*.

The unsharpened end *c* of the pin is designed to be soldered or otherwise connected with the portion *d* of the shield opposite to the catch.

The pin thus constructed is designed to be used with equal facility in darkness or light; and, having no hard edges or corners at either end, it is not liable to abrade or scratch the skin and cause sores difficult to cure in the tender parts when such accidents occur.

What I claim as my invention, and desire to secure by Letters Patent, is—

The diaper or safety pin having the U-shaped guard D, open on each side to admit the pin to the catch end *b*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ZEPHANIAH GILBERT PIERCE.

Witnesses:

JAMES B. PAINE,
W. MASON PAINE.