

W. H. HOCKENSMITH.

Improvement in Diaper Pins.

No. 118,533.

Patented Aug. 29, 1871.

Fig. 1.

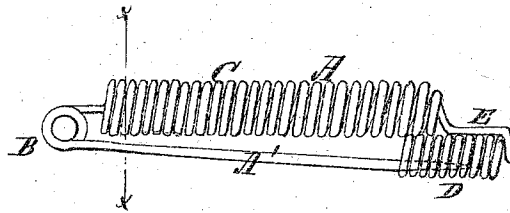


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM H. HOCKENSMITH, OF BRIDGEPORT, CONNECTICUT.

'IMPROVEMENT IN DIAPER-PINS.

Specification forming part of Letters Patent No. 118,533, dated August 29, 1871.

To all whom it may concern:

Be it known that I, WILLIAM H. HOCKENSMITH, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Diaper-Pin; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to an improved diaper-pin, designed to overcome objections constantly made to those ordinarily used. The pin is formed, as certain others have been, from a single wire, but, unlike them, the wire is formed into a long and a short spiral coil, the one forming the elastic and extensible back or body of the pin, the other an eye or socket for reception of the sharp point of the pin proper. Thus a large number of thicknesses of cloth can be secured by this pin, since the back will readily yield outward from the pin proper, and at the same time its tension will be increased so that the point-socket or eye will be drawn yet closer against the cloth. And since the coils run in the same direction as the pin proper, when it is desired to disconnect the latter the extension or drawing out of the coils for the purpose is an easy operation, and no bend being given to the wire no injury is done to it, such as would cause the back of a pin otherwise formed from wire to quickly break asunder. The form of socket is likewise calculated to protect the pin point better than is the case in other pins, since it entirely surrounds it.

In the accompanying drawing, Figure 1 represents a side view of a diaper-pin constructed ac-

cording to my invention. Fig. 2 is a cross-section taken on the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the diaper-pin. A' is the pin proper, which is formed on one end of a piece of brass, silver, or other suitable wire. This pin is pointed at the end and is of triangular shape in cross-section, or of any shape which will allow it to easily penetrate one or more thicknesses of cloth. At the base end of the pin one or more coils, B, are made in the wire, and then the wire is wound spirally, forming the long spiral spring C. From C the wire extends out and forms another smaller spiral, D, which is a catch for the end of the pin A'. This latter spiral is parallel with C, but connected with it only by the wire, as seen at E.

As seen in the drawing, the pin A' is confined in the spiral catch D. The pin is detached therefrom by slightly bending the spiral C or drawing back the catch D. When confined as seen the sharp point is perfectly inclosed and secure, and cannot become loosened except by hand manipulation.

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

As a new and improved article of manufacture, the diaper-pin herein described, formed of the spiral body C and spiral socket D, connected by wire E and the pin A', all formed from a single wire, as specified.

WM. H. HOCKENSMITH.

Witnesses:

G. A. STAPLES,
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