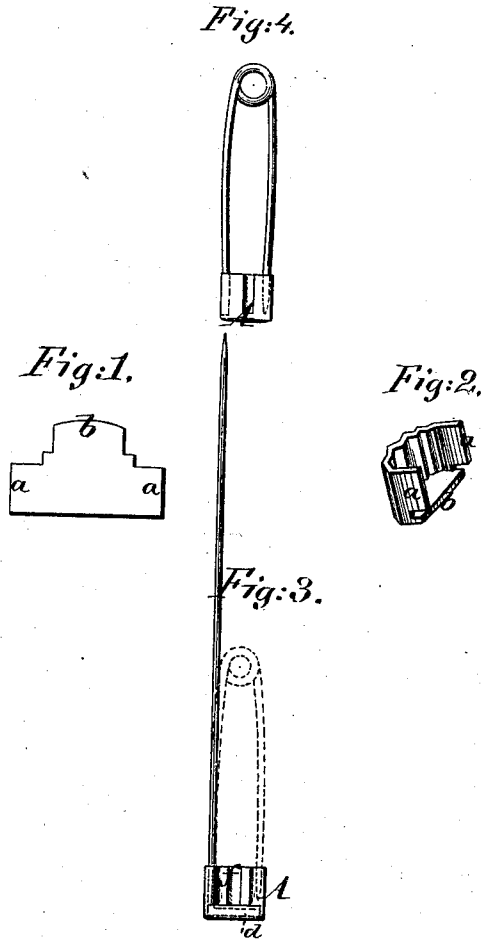


I. W. STEWART.
DIAPER PIN.

No. 106,422.

Patented Aug. 16, 1870.



Witnesses
M. Vorländer
Alex. F. Roberts

Inventor
Isaac W. Stewart
per: M. W. Stewart
Attorneys

United States Patent Office.

ISAAC W. STEWART, OF NEW YORK, N. Y.

Letters Patent No. 106,422, dated August 16, 1870.

IMPROVED DIAPER-PIN.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ISAAC W. STEWART, of the city of New York, in the county and State of New York, have invented new and useful Improvements in Diaper-Pins; 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 and consists in an improved article of manufacture generally known to the public as a diaper-pin.

Figure 1 is a plan of the blank which I use to make the shield;

Figure 2 is the same when partially bent or shaped and ready for the application of the wire;

Figure 3 is a plan of the shield when finished and attached to the wire; and

Figure 4 is a plan of a diaper-pin as now made.

Similar letters of reference indicate corresponding parts.

Heretofore, the shields *A* for the points of these pins have been made by first striking disks of metal up into the shape of cups, then flattening them, then making a slot in the flattened side, and finally soldering them to the large ends of the wires, as shown in fig. 4.

This operation is slow and tedious, and it is especially objectionable to attach the shields to the sides by solder, for it is difficult to make them adhere, and the solder makes unsightly joints. I therefore propose to make these shields from flat blanks of metal, of the character shown in fig. 2, by bending up the

ends *a* and the sides *b* in other dies to the form represented in fig. 2, and then inserting the ends of the wire and bending the said parts of the blank down upon the wire, as shown in fig. 3, at the same time securing it to the wire (which is bent previous to being placed in the blank) a short distance from the end perpendicular to itself, the said perpendicular part being long enough to extend across the bottom of the shield, as indicated in dotted lines at *d*, fig. 3.

The one part, *a*, and the part *d* are so pressed down over the wire as to hold the shield securely to it without the use of solder.

Care is taken to have the ends of the parts *a* to fall short of meeting, when bent down over the wire, sufficiently to provide for the space *f* required for engaging the free point of the pin with the shield.

By this improved mode the manufacture of these shields and attachment to the pins are greatly simplified and cheapened, the whole being accomplished by three operations, each operation being performed by a press having dies specially suited to its work.

Having thus described my invention—

I claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, diaper-pins having the shields constructed and attached to the wires substantially in the manner described.

The above specification of my invention signed by me this 18th day of June, 1870.

ISAAC W. STEWART.

Witnesses:

GEO. W. MABEE,
T. B. MOSHER.