A. B. HENDRYX.
Bird-Cage.

No. 218,266. Patented Aug. 5, 1879.

fig. 1.

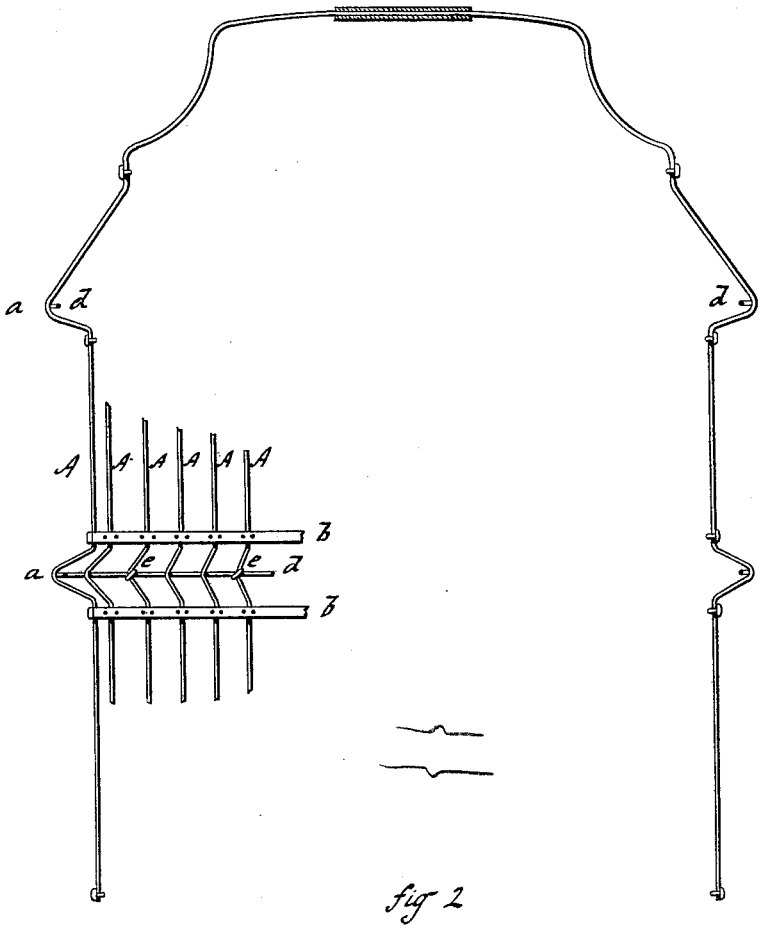
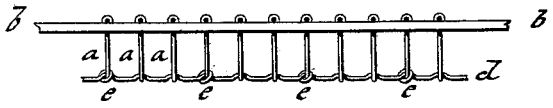


fig 2



Witnesses.

J. H. Shumway.

Jas. C. Eddy

Andrew B. Hendryx
Inventor.
By atty.

Wm. C. Earle

UNITED STATES PATENT OFFICE

ANDREW B. HENDRYX, OF ANSONIA, CONNECTICUT.

IMPROVEMENT IN BIRD-CAGES.

Specification forming part of Letters Patent No. **218,266**, dated August 5, 1879; application filed June 9, 1879.

To all whom it may concern:

Be it known that I, ANDREW B. HENDRYX, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Improvement in Bird-Cages; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, sectional side view of the wire part of the cage; Fig. 2, a plan view illustrating the invention.

This invention relates to an improvement in the method of securing the wires in a bird-cage at that point where projecting bends are made—that is to say, where the vertical wires are bent outward, as at *a*, Fig. 1. At the outer bend a sustaining-wire is necessary to hold the vertical wires in their proper relative position to each other. This is usually done by arranging a transverse wire along the inside at the bend and soldering the vertical wires to it, or corrugating the transverse wires, as seen in Fig. 2, so that each of the vertical wires will lie in one of the corrugations, and then soldering the transverse wire at several points around the cage; but such soldering unavoidably disfigures the cage, either because of the heat required or because of the solder itself, which soon discolors. To overcome these difficulties is the object of the invention; and it consists in securing a corrugated transverse wire to the vertical wires by a loop around the transverse wire, and more or less of the vertical wires, as hereinafter described.

A represents the vertical wires; *b*, the transverse bars, to which the vertical wires are secured, and *a* the bends in the vertical wires; *d*, transverse wire, which is corrugated, the corrugations corresponding to the position of the vertical wires at the bend. At several points a ring or loop, *e*, of wire is placed around the transverse wire and the corresponding vertical wire, so as to hold the transverse wire firmly to its place in the bend of those vertical wires, the strength of the transverse wire between those points being sufficient to hold the vertical wires in the corrugations, yet, if desired, these loops may be applied to each of the vertical wires.

I claim—

The combination, in a bird-cage, of the vertical wires and corrugated transverse wire, with loops around both vertical and transverse wires, substantially as described.

ANDREW B. HENDRYX.

Witnesses:

JOS. C. EARLE,

J. H. SHUMWAY.