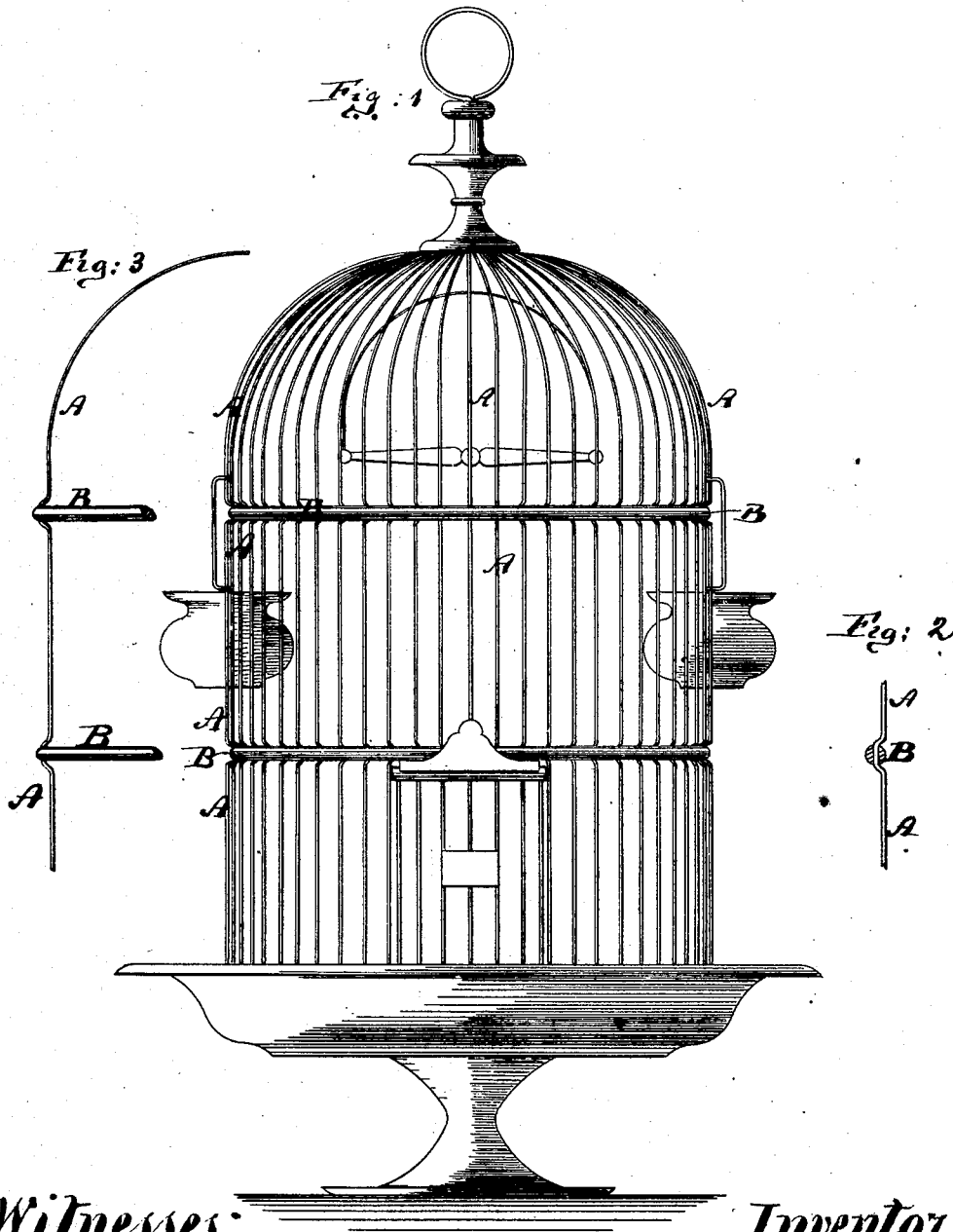


J. MAXHEIMER.  
Bird-Cage.

No. 162,400.

Patented April 20, 1875.



Witnesses:  
A. Moraga.  
O. Heidner.

Inventor:  
J. Maxheimer  
by his attorney  
A. V. Bresser

# UNITED STATES PATENT OFFICE.

JOHN MAXHEIMER, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN BIRD-CAGES.

Specification forming part of Letters Patent No. **162,400**, dated April 20, 1875; application filed February 6, 1875.

*To all whom it may concern:*

Be it known that I, JOHN MAXHEIMER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Bird-Cage, of which the following is a specification:

Figure 1 is a side view of a bird-cage having my improvement. Fig. 2 is a vertical section through one of the horizontal wires of the same. Fig. 3 is a detail side view of a modification of the invention.

Similar letters of reference indicate corresponding parts in all the figures.

This invention has for its object to produce an improved joint and connection between the horizontal and the upright wires of a bird-cage; and consists in crimping or bending the vertical wires after the same have been put through a perforated horizontal wire directly above and below the horizontal wire, thereby to lock the horizontal wire, and prevent it from sliding up or down on the upright wires.

In the accompanying drawing, the letters A A represent the upright wires, and the letters B B the horizontal wires, of a bird-cage. The horizontal wires are of larger diameter than the upright wires, and each horizontal wire is perforated once for each upright wire, and all the upright wires are drawn through the respective apertures of each horizontal wire, as indicated. After the vertical wires have been drawn through the horizontal wire, they are all crimped or bent directly below and above each horizontal wire, either outward, as in

Fig. 3, or inward, as in Fig. 1, the bent or crimped portions serving to lock the horizontal wire at the proper height, so it can neither slip up or down.

Heretofore, when the upright wires were drawn through a perforated horizontal wire of a bird-cage, the horizontal wire was punched or compressed to fasten it to the uprights, this being an operation at once tedious and difficult to perform, and one leaving its defacing marks or indentations on the horizontal wire. By my invention the mere bending of the thin upright wires is very easy to perform, and serves to give a richer and more pleasing outline to the cage, as shown in Figs. 1 and 3, and the process is so much easier to perform than the ordinary process of punching or indenting the horizontal wire that my cage will be less expensive. It is also of better appearance, and cheaper to produce, than a cage in which the wires are soldered together.

I claim as my invention—

In a bird-cage, the combination of the perforated horizontal wire B with the upright wires A A, which are drawn through the horizontal wire, and then bent or crimped above and below the same, to form shoulders for holding the horizontal wire in place, substantially as herein shown and described.

Signed this 5th day of February, 1875.

JOHN MAXHEIMER.

Witnesses:

E. C. WEBB,  
F. V. BRIESEN.