

G. R. OSBORN & B. A. DRAYTON.
Improvement in Construction of Bird-Cages.

No. 114,593.

Patented May 9, 1871.

Fig. 1.

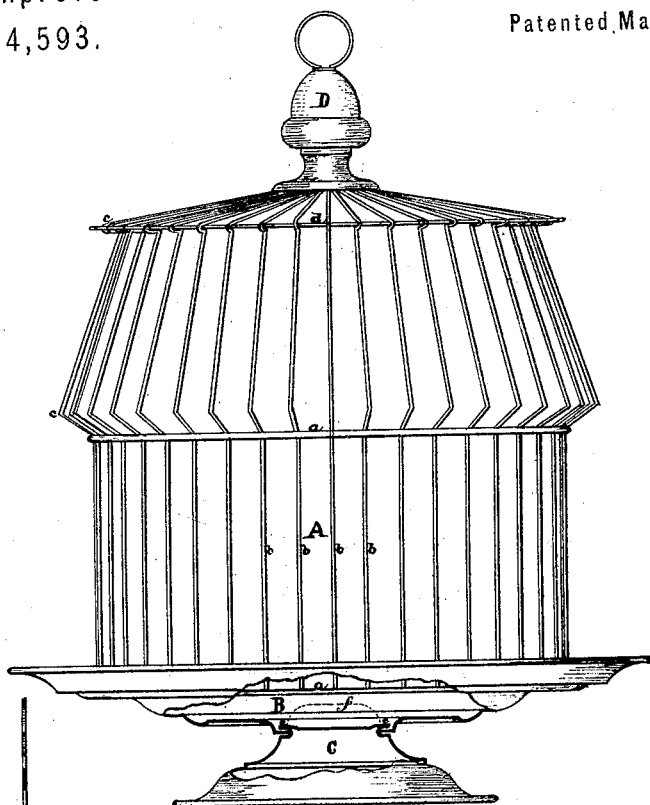
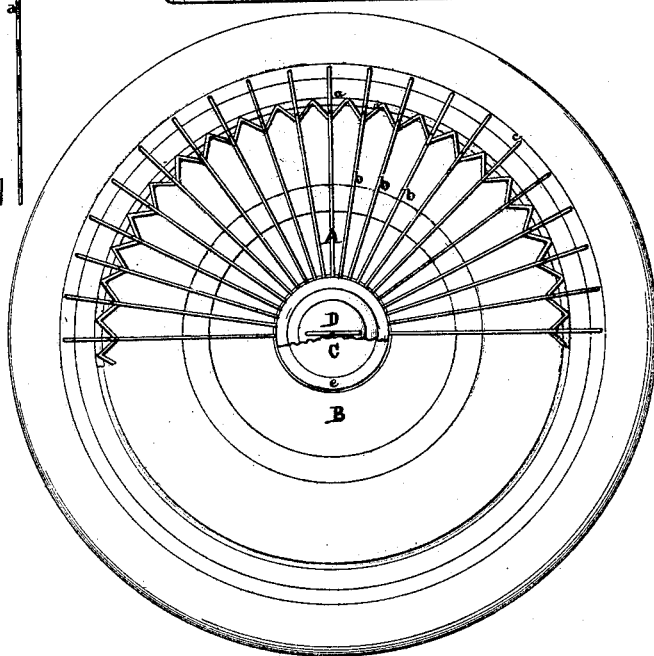


Fig. 3.

Fig. 2.



Charles C. Lee } Witnesses.
G. Mortimer Osborn }

George R. Osborn } Inventors.
Benj. A. Drayton }

United States Patent Office.

GEORGE R. OSBORN AND BENJAMIN A. DRAYTON, OF NEW YORK, N. Y.

Letters Patent No. 114,593, dated May 9, 1871.

IMPROVEMENT IN CONSTRUCTION OF BIRD-CAGES.

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

We, GEORGE R. OSBORN and BENJAMIN A. DRAYTON, of the city, county, and State of New York, have jointly invented certain Improvements in Bird-Cages, of which the following is a specification.

Nature and Objects of the Invention.

In general, looking to a series of improvements in the construction of a bird-cage without the use of solder in fastening the different parts to each other or securing in position the different pieces as desired for use or ornament.

The first part of our invention consists in the crimping of the spring-wire tension-ring to distend and hold the wires in position, forming the cornice and other ornamental projections of the body of the cage.

The second part is the joining of the parts forming the base of the cage by shutting or locking the metal of each at their joining points into or over the other or others instead of soldering, as heretofore practiced.

Description of Drawing.

Figure 1, side elevation of the cage complete, with break in the base, giving a sectional view of the base at the joining of dish and foot-piece.

Figure 2, top view of the same, with break in the body of the cage.

Figure 3, side and top view of a section of the crimped-spring tension-ring.

General Description.

A, the body of the cage.

B, the dish which, with C, the foot-piece, forms the "base" of the cage.

D, the top piece whereby the cage may be suspended.

a a, the frame-work of the body of the cage, of large wire, perforated for receiving b b b, the filling-wires of the body, which are separately bent so as to give ornamental form when assembled in the cage.

c c, cornice projections from the body of the cage.

d, a wire, joined at the ends to form a spring ring, placed inside the cornice projection c to distend from

the center the wires forming said projection, and crimped at suitable distances to hold each wire in position in the circle.

We do not claim as new, although of our invention, the wire ring soldered in place inside the cornice projection, which solder is unsightly and breaks away after a little use, as we and others imitating us have used such a device over two years; nor of the plain spring ring, for the same reasons, the disadvantage of which is, the wires of the body are easily slipped aside and, when disturbed, do not regain their position; but what we do claim as new, and desire to secure by Letters Patent, is the crimping of the tension-ring, which entirely overcomes the difficulties above mentioned.

e e, the point at which the pieces forming the base are shut into each other.

There is a hole first cut in the center of the disk B of a size to admit the upper part of the foot-piece C, which is at this stage of the operation in the form indicated by the dotted line f, then by pressure is closed down and carried outwardly and pressed tightly over the inner edge of the disk B, thereby locking the two together stronger and neater than could be done by soldering.

The same result may be accomplished by cutting a hole through the center of foot-piece C, same as in the dish B, and inserting a third piece of a form which, when closed down, would be identical with what might be termed a solid-center eyelet-ring.

What we claim as our invention is—

1. The crimping of the distending or spring tension-ring d, substantially as and for the purpose specified.

2. The joining of the pieces forming the base by locking or shutting of one into or over the other, substantially as and for the purpose specified.

GEORGE R. OSBORN.
BENJ. A. DRAYTON.

Witnesses:

CHAS. E. HECOX,
O. MORTIMER OSBORN.