

H. BELMER.
CORN-POPPER.

No. 183,484.

Patented Oct. 24, 1876.

Fig. 1.

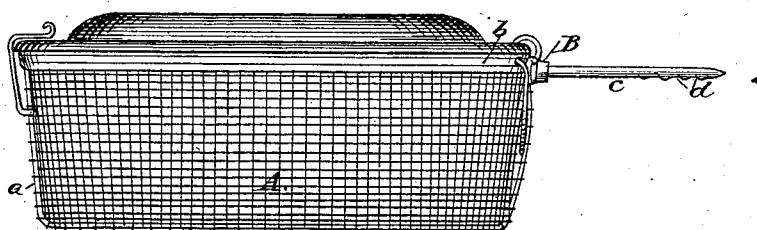


Fig. 2.

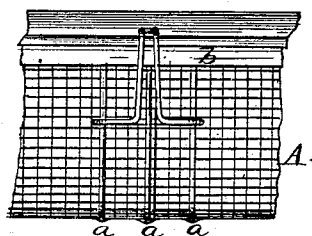


Fig. 3.

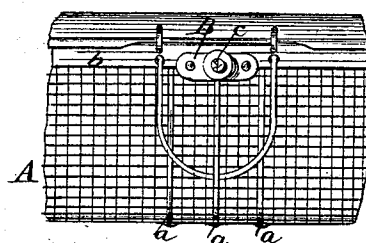


Fig. 4.

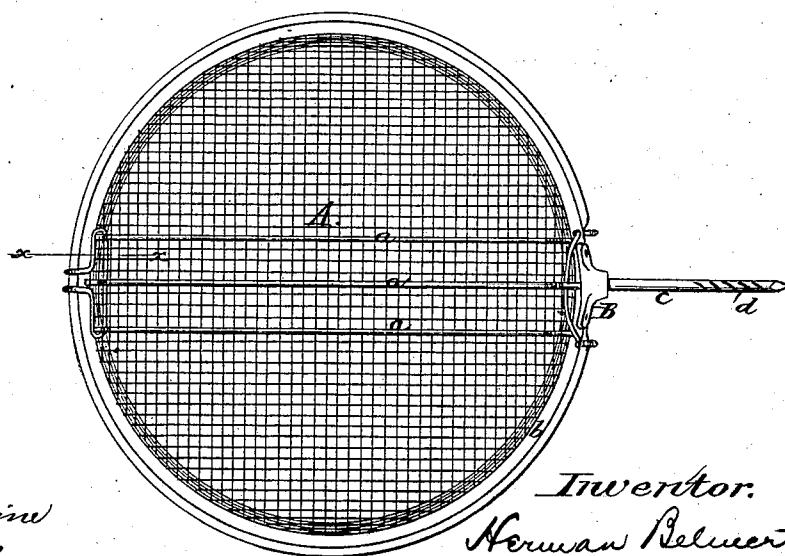
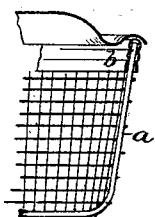


Fig. 5.



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UNITED STATES PATENT OFFICE.

HERMAN BELMER, OF CINCINNATI, OHIO.

IMPROVEMENT IN CORN-POPPERS.

Specification forming part of Letters Patent No. 183,484, dated October 24, 1876; application filed September 6, 1876.

To all whom it may concern:

Be it known that I, HERMAN BELMER, of Cincinnati, in the county of Hamilton, in the State of Ohio, have invented certain new and useful Improvements in Corn-Poppers, of which the following is a full, clear, and exact description.

My invention consists in a corn-popper, the basket of which is made of wire-netting, incorporated in which, by weaving or otherwise, are stiffening wires or braces extending diametrically from the handle attachment to the front of the basket or otherwise, and from edge to edge, and held in place at the edges by the binding or other fastening or protection.

The invention further consists in a device for attaching the handle to the basket, composed of a socket riveted to the basket, and having a wire shank or tang secured therein, on the outer end of which are a number of spirally-arranged cuts or barbs to engage with the wood handle in securing it in place.

In the drawings illustrating my invention, Figure 1 is a side elevation thereof; Fig. 2, an elevation of a part of the front; Fig. 3, a similar view of part of the rear; Fig. 4, a bottom view; and Fig. 5 a sectional view on line *xx* of Fig. 4.

The same letters of reference indicate corresponding parts in the several figures.

In corn-poppers as heretofore constructed, the braces or stiffening wires have been independent of—that is to say, not integral with—the wire-netting forming the basket, and for this reason the basket and wires or braces soon become so separated, except at the points where they are fastened, as to allow the basket to get out of shape, and practically the braces fail in performing their office.

It is desirable to have a rigid basket, and it is one of the objects of my invention to provide such an one, and to this end I introduce into the wire netting of the basket *A*, while it is being woven, or otherwise, one wire, *a*, or several, in such manner as to make it or them integral with said netting.

As two wires or more are ordinarily used, I shall hereafter refer to them plurally.

These wires, stays, braces, or stiffeners, as they may be variously denominated, are preferably of unannealed or similar wire of greater diameter and strength than the wires of the netting, and extend from edge to edge

of the basket diametrically across the bottom of the same, or otherwise. Their edges are secured with the edge of the basket by the ordinary sheet-metal binding *b*, or other fastening.

The braces, thus introduced into and made part of the wire-netting, will be found to add very materially to the strength of the same, do not get out of place, and impart stiffness or rigidity to the basket not obtainable by the constructions heretofore in vogue.

Wire-netting, having stiffeners or braces thus introduced, may be used for dish-covers, sieves, strainers, and various other articles.

B designates a cast-metal socket riveted or secured to the sheet-metal binding *b* of the basket, in which is fitted a wire shank or tang, *c*, the outer end of which is provided with a number of spirally-arranged barbs or cuts, *d*, that enter the wood of the handle to hold it to the tang.

The cover of the basket is secured thereto by wire or equivalent hinges, and a suitable catch provided to lock it in place.

What I claim is—

1. A corn-popper, having the stiffening wires or braces integral with the wire-netting forming the body or basket, substantially as described.

2. The combination, with the wires *a* and basket *A*, of the binding *b*, for securing the ends and edges of said wires and basket, substantially as described.

3. The combination, with the basket and handle of a corn-popper, of the cast-metal socket *B* riveted to the sheet-metal binding *b*, and the wire shank or tang *c*, having spirally-arranged barbs or cuts *d* on its outer end, and secured in said socket, substantially as and for the purpose described.

4. A corn-popper, the body or basket whereof is formed of wire-netting, having stiffening wires or braces incorporated therein, substantially as described.

5. A corn-popper having the ends of its braces or stiffening-wires secured by means of the binding thereof, substantially as described, and without any bending or other manipulation of the said braces or wires.

HERMAN BELMER.

Witnesses:

WM. WEIDINGER,
L. C. BROUNKAMP.