

CHARLES F. SPENCER.
Improvement in Trap-Balls.

No. 115,252.

Patented May 23, 1871.

Fig. 1.

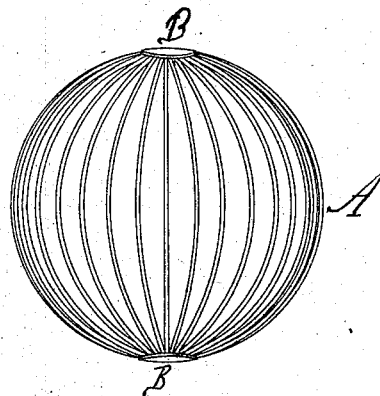


Fig. 2.

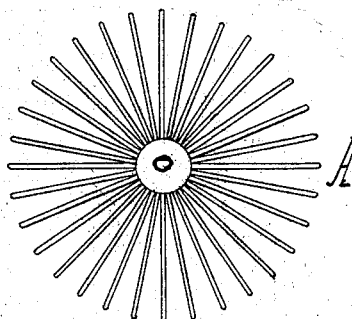


Fig. 3.



Witnesses:
Garber & Sweet, Jr.
W. Dayton

Inventor:
Charles F. Spencer
by his Attorney,
James L. Norris.

United States Patent Office.

CHARLES F. SPENCER, OF CLEVELAND, OHIO.

Letters Patent No. 115,252, dated May 23, 1871.

IMPROVEMENT IN TRAP-BALLS.

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, CHARLES F. SPENCER, of Cleveland, county of Cuyahoga and State of Ohio, have invented a new and improved Metallic Skeleton Toy-Ball; and I do hereby declare the following to be a clear and exact description thereof sufficient to enable others skilled in the art to make and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a perspective view of my improved skeleton metallic ball.

Figure 2 is a top view.

Figure 3 is a detached view of the eyelet or head.

This invention relates to an improvement in that class of toys known as trap-balls; and

It consists in producing such balls from a series of thin wires, bars, or rods, which are bent in the form of a half-circle and their ends united together by means of metallic eyelets or rivets, whereby a skeleton ball of great elasticity is produced, cheap in construction, and quite attractive in appearance.

In the accompanying drawing—

A represents a skeleton metallic ball designed especially for the amusement of children.

It is produced by bending a series of thin wires, bars, or rods, *a a*, in the form of a half-circle and uniting together their respective ends by means of eyelets or heads, B B.

The heads or eyelets B B are made with a flat head and a shank, *b*, as usual, with the exception that the portion of the head which comes in contact with the ends of the wires, bars, or rods is grooved so as to

form a seat or rest for the same and prevent their lateral displacement.

When the ends of the series of wires have been arranged so as to form a round body, the shanks of the eyelets or heads are inserted through the openings formed between the ends of the wires, and the same being arranged in the grooves, the shanks are riveted or pressed down so that the wires are held in a firm position.

To further prevent their displacement, and to render the space around the periphery of the head smooth, I surround the same with solder by any suitable method.

A trap or toy-ball is thus cheaply produced, and is much more elastic than those constructed from rubber in a hollow state; at the same is much lighter and neater in appearance, and when thrown upon the ground or elsewhere will rebound and assume its normal round state.

Having thus fully described my invention,

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

As a new article of manufacture, a skeleton metallic trap-ball, formed from a series of thin wires or bars, their ends being united together by means of the grooved eyelets or heads B, substantially as and for the purpose set forth.

To the above specification I have signed my name this 4th day of May, A. D. 1871.

Witnesses:

CHAS. F. SPENCER.

JAMES L. NORRIS,

W. J. PEYTON.