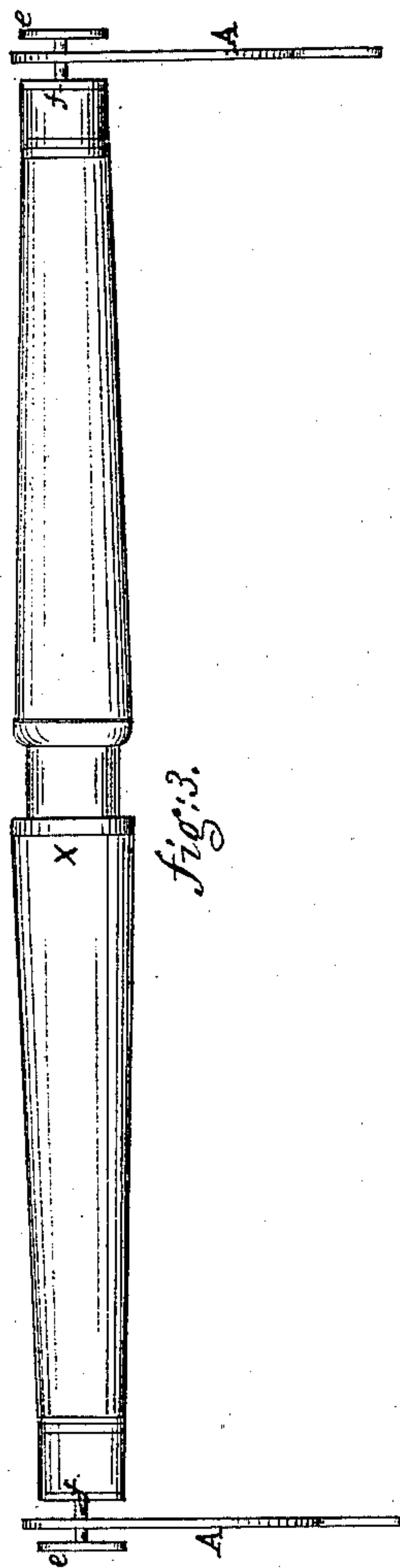


*C. M. Trapp,*

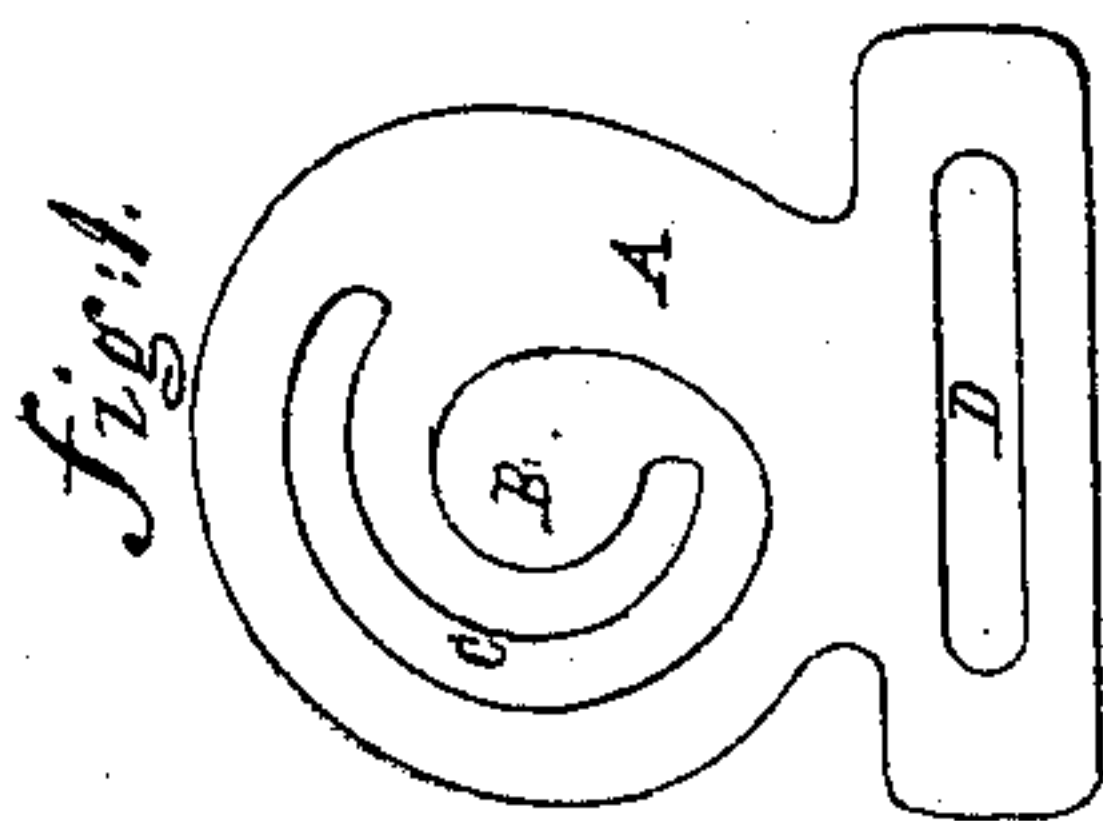
*Harness Clit.*

*No. 99731.*

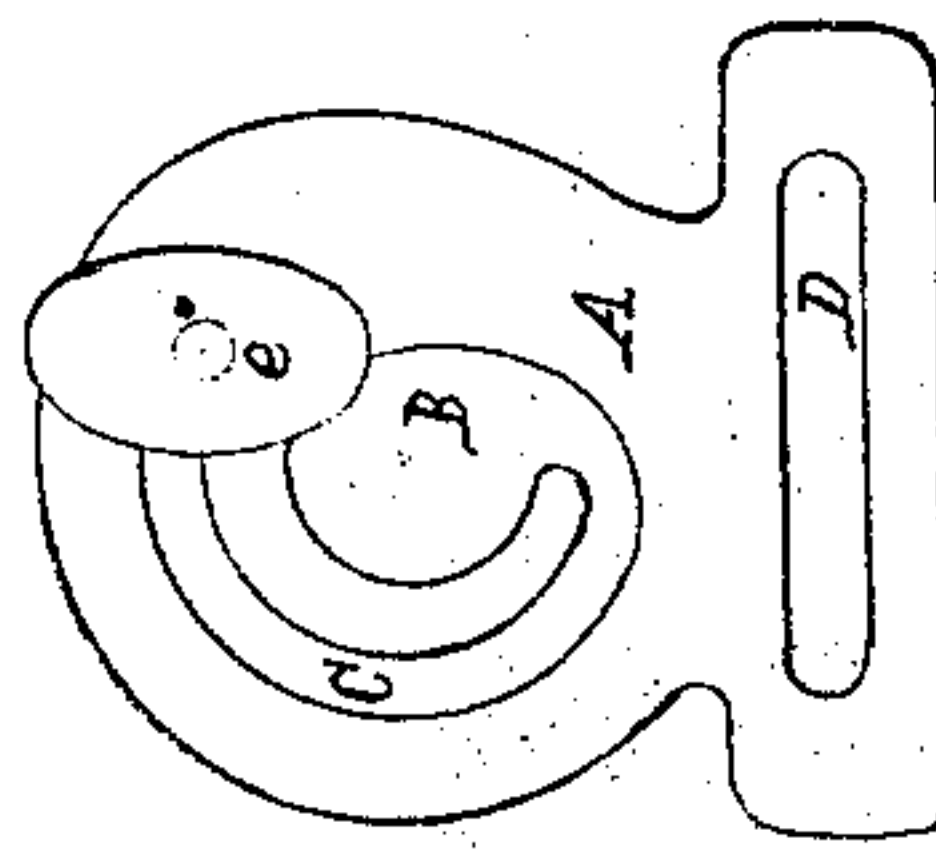
*Patented Feb. 8. 1870.*



*fig. 3.*



*fig. 1.*



*fig. 2.*

*Attest* { *Geo. S. Thompson as*  
*Jas. G. Thompson*

*Inventor*  
*Charles M. Trapp By his*  
*attorney J. J. Johnston*

# United States Patent Office.

CHARLES M. TRIPP, OF PITTSBURG, PENNSYLVANIA.

*Letters Patent No. 99,731, dated February 8, 1870.*

## IMPROVED CLIP FOR HARNESS.

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 M. TRIPP, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Clips for Harness; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in making a new article of manufacture, viz: a clip for harness, constructed as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification—

Figure 1 is a side view of my improvement in clips for harness.

Figure 2 represents the hook of the single-tree arranged in the spiral opening of the clip.

Figure 3 represents a single-tree with clips arranged on its hooks.

In the accompanying drawings—

A represents the clip, which may be cast, or cut out of sheet-metal, and is provided with an opening, D, for the purpose of attaching it to the traces of the harness.

The clip is also provided with a spiral opening, C, which terminates in a round or elliptical opening, B, which is used for passing the clip over the head or disk *e* of the hooks *f* of the single-tree X.

In attaching the clips to the single-tree, the disk *e* of the hooks *f* is passed through the opening B. The hook *f* is then placed in the spiral opening C, which will secure the clip surely and safely to the single-tree without liability of becoming accidentally detached therefrom.

The advantage of my improvement in clips for harness consists in furnishing a cheap clip, which can, with ease and facility, be cast, so as to make it of "malleable cast-iron," or it may be stamped or cut out of sheet-metal.

Having thus described my improvement,

What I claim, is—

A new article of manufacture, viz: the clip A, for harness, provided with openings D B and spiral opening C, constructed and arranged as herein described, and for the purpose set forth.

CHARLES M. TRIPP.

Witnesses:

A. C. JOHNSTON,  
JAS. G. THOMPSON.