

(No Model.)

D. L. EMRY.

LINE SUPPORT FOR HARNESS.

No. 331,781.

Patented Dec. 8, 1885.

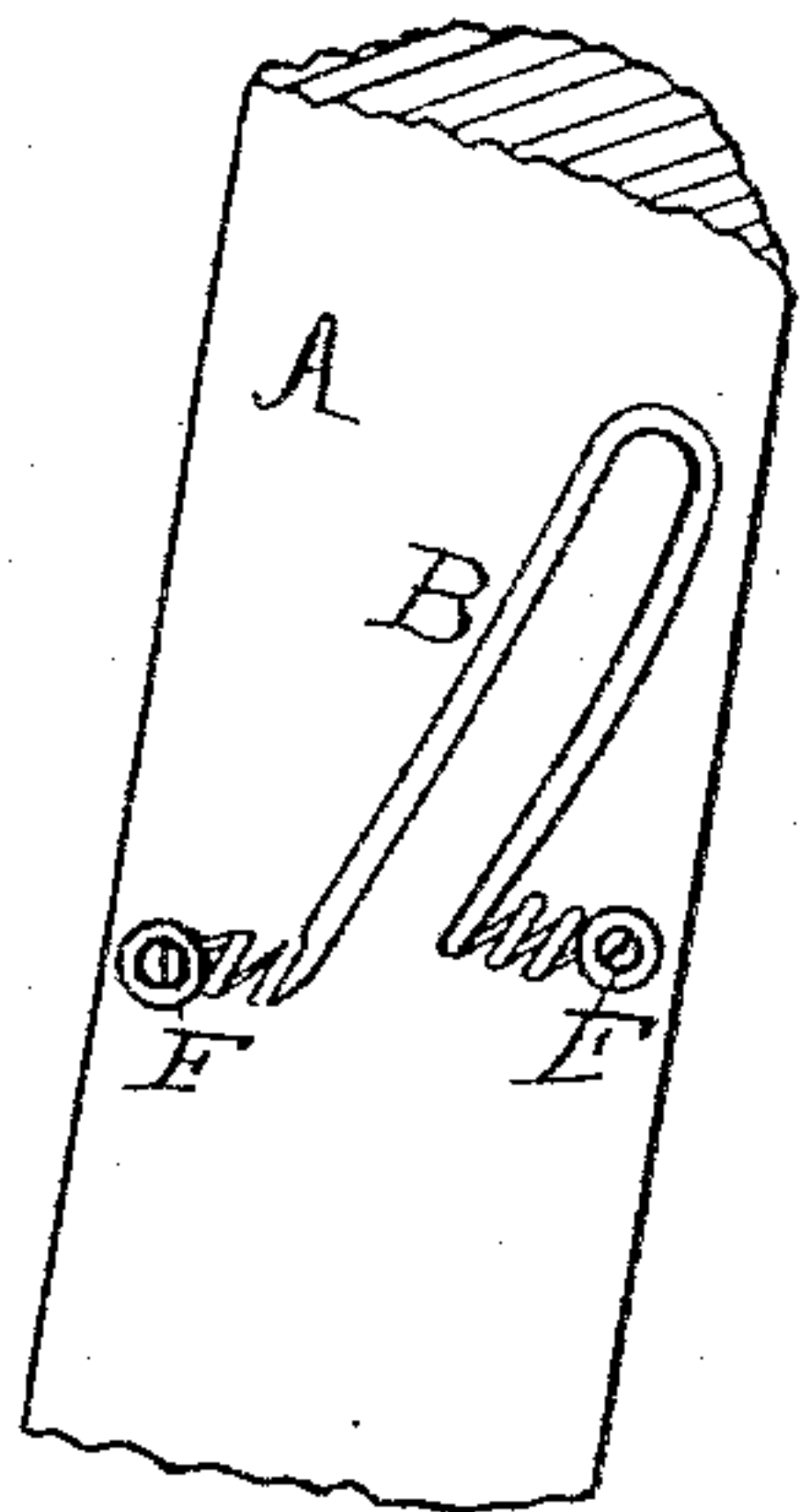


Fig. 4.

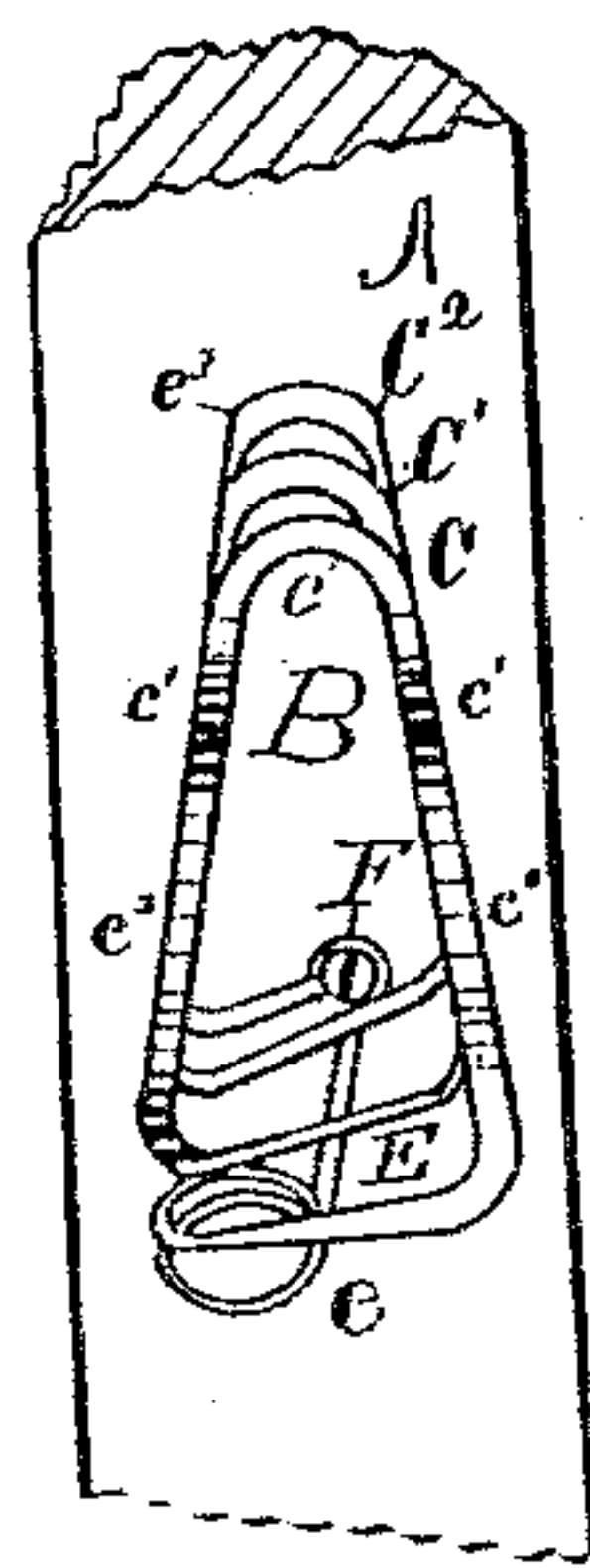


Fig. 2.

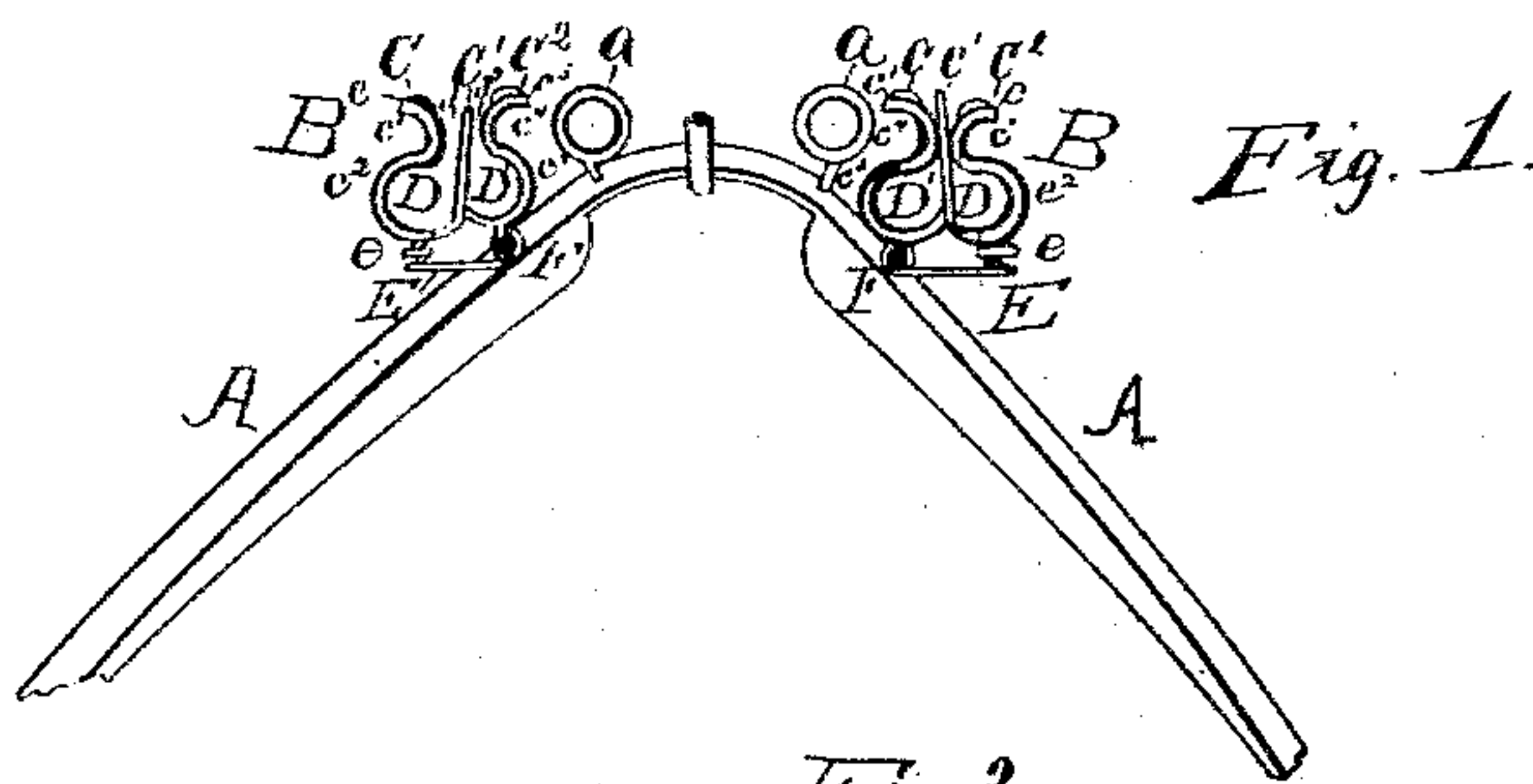


Fig. 1.

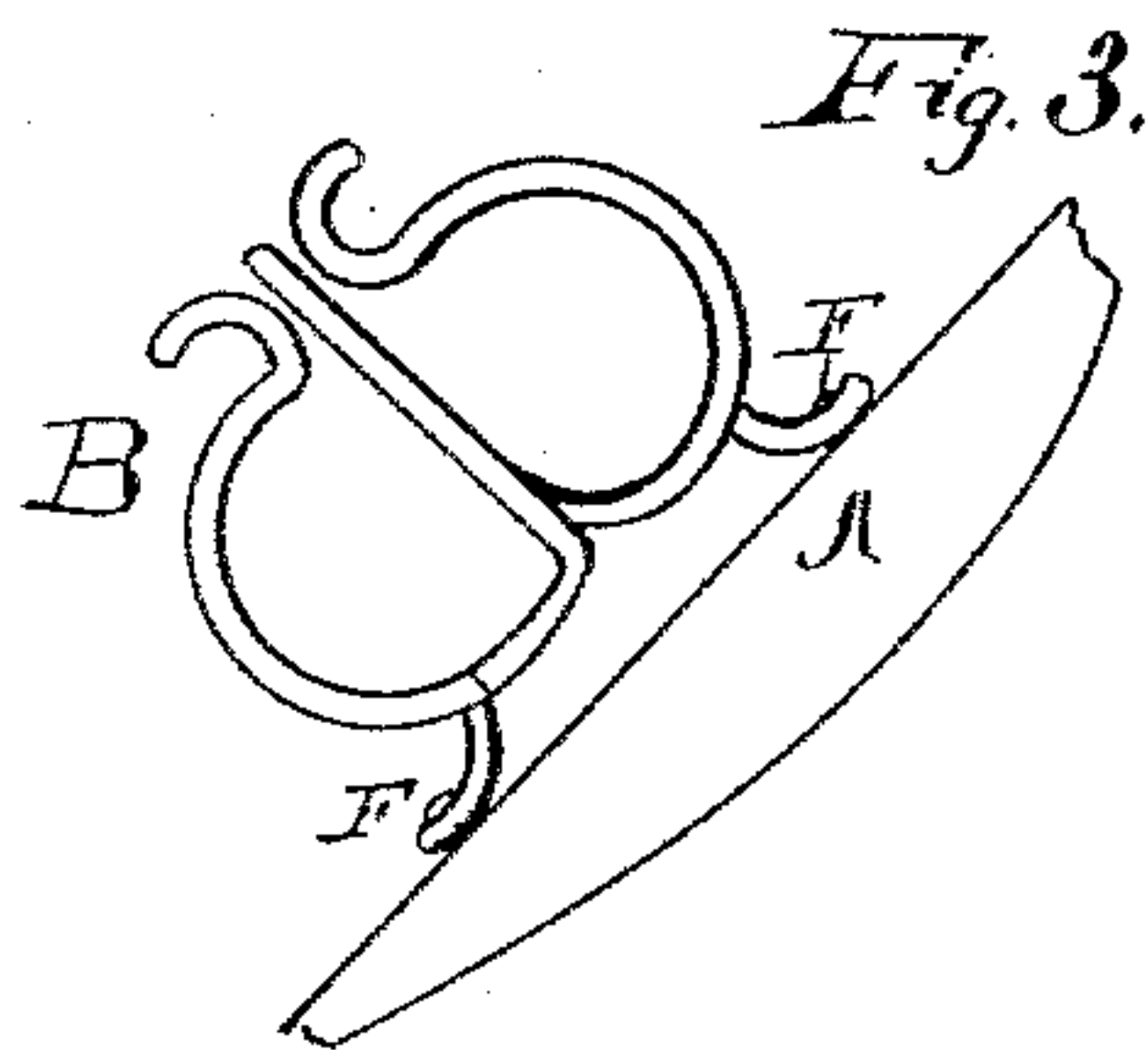


Fig. 3.

Witnesses.

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LINE-SUPPORT FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 331,781, dated December 8, 1885.

Application filed September 7, 1885. Serial No. 176,353. (No model.)

To all whom it may concern:

Be it known that I, DAVID L. EMRY, a citizen of the United States, residing at Carthage, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Line-Supports for Harness; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in line-supports, the object of which is to provide an improved, cheap, simple, and convenient device for easily and quickly securing and releasing lines in harnessing and unharnessing horses, &c. These objects I attain by means of the device illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the device. Fig. 2 is an end and top elevation of the same. Fig. 3 is a modification of the same, and Fig. 4 is a modification to secure the line next to the back-band.

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

A is a back-band of a harness. B is the support, made of any suitable material, preferably of spring-wire, bent and formed as hereinafter described, to receive and hold the line or lines. These supports may be of various forms, as shown in the drawings, but preferably as shown in Fig. 1. The ends of the wire are secured to the back-strap of the harness in any suitable way, preferably by entering the same, and, after being coiled about screws or rivets F F, are bent or formed as hereinafter set forth.

This support may be placed in any desired position on the back-strap, but preferably, as shown, one on each side of the back-strap rings *a a*, which may be retained, as shown, to be used when desired.

The support may be formed, as shown in Fig. 3, for use on single harness, or where the side strain is not so great; but the formation shown in Fig. 1 is preferable, which consists of a cross-piece, E, provided with a coil, *e*, which are preferably made integral with the remainder of the support, arms C C' C², which are made to form openings D D', with narrow passages *d d'*, through which the lines are passed. The outer arms, C C², are preferably bent outward near their middle, *c² c³*, from the middle arm, C', and approach the middle arm near the top at *c' c⁴*, to form the narrow necks *d d'*. Thence they are bent outward from the middle piece, forming the flaring ends *c c³*, to enable the line or lines to be easily placed in the support. Thus I obviate the necessity of placing the lines through rings, which makes the work of placing and removing them much easier.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A line-supporter composed of a spring-wire, E, provided with arms C C' C², bent to form openings D D', and narrow necks *d d'*, bent at *c, c³, c', and c⁴*, to receive the line, substantially as set forth.

2. The combination, with the back-band of a harness, of a spring-support composed of a piece of spring-wire, E, provided with a coil, *e*, and arms C C' C², the outer arms being bent at *c² c³* and *c' c⁴* to form the openings D D', and narrow necks *d d'* and flaring ends *c c³*, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID L. EMRY.

Witnesses:

E. R. WHEELER,
J. W. REDMAN.